

1569

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acgtcgggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnggaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372

<210> 2281
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<213> Homo sapiens

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1570

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<400> 2281

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tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaagggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taatttttaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtnccttng gaaa 384
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cgggagtcac aacactaaac agaccaaaagt tcctcaatgc actgactctt aatatgattc 180
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1571

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ggcagattta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgatacatta 240
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ctgaaaaggc aaaacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgttgg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagttgg tctctnagtc catgggcaat ttcnagtggc tacagaaaaa gtgtcttttt 480
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<400> 2283

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actcacaaca atttgtttgc ctncagggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg aggggtgtct ctgggtagag ggatgggaag gaagggaacc ttacccccgg 240
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an 302

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<212> DNA

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1572

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 tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180
 ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240
 catgaaagct gccttggaag acacactggc agaaacggag gcgcgctttg gagcccagct 300
 ggcgcatatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360
 tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420
 ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480
 tgccctcaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtgt 540
 ctttctgggt agagggatgg gaaggaaggg acccttacct ccgggtcttc tcctgacctg 600
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1573

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1574

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aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcctcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tgggtctggg gatttttcta cagcatcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgatcacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
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nt 602
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ctcttcgnca ggangccctc ggcccccaag aaggagagaca gttctgctga agaactnaga 180
actggggccac ccagctgacc ggaccggtca tgcccgtcg gaaacgtctt atnaagaagg 240
aggaaagctt cgagtgcatt cacttttaggn aaggagaaag gaattttcaa aaggcctttc 300
ggttagttct tccgttattg gcccctgtgc ccaaagnncc cgggnttttt ttggggnatt 360
aaggggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaaa 420
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caccttggnn gagnaacagg gaaaatctca tctgggtggtg ntacacacac gncgngtata 180
cccatggngc tgggtgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggnaaa attggcgacg tatngtcca caggaagcnc ctgcaccatt 300
gtgcgtcttn acacaggtgt tctcgggacg nncaaaggtn ttttttgatt aagttggtn 360
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1581

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 atccgaaaatg ttctattgtg ggagcagaca atgtgggctc caagcagatg cagcagatcc 180
 cgcattgtccc ttcgcgggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240
 aggn catttc gagggcacct ggaaaacaac ccagctntgg agaaactgct gcctcatatc 300
 cgggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360
 gcttggccaa taaggtgcca gcttgcctgc gtgctggtgc cattgcecca tgtgaaagtc 420
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caagttctcc gtgtgggatc ggngggntcc atcctggnet cgctgtccac cttccaacag 180
atttngatca gcaagcanga attntgaana aattccgggc cctcccatc cgtccacccg 240
caaattgctt ccttangng ggantaatga nttaattttg cgtttacaac ccttttcctt 300
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1584

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tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180
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cggcccccca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
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aagaagattt ccggaatncc anggactnca ngccca 336
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<210> 2292

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tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
tgtagatatt gcaccctatg acattggtgg tcctgatcaa gaatttggtg tggacgttnn 240
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gcctcatngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180
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gaggcccagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180
acagtgatca tcaacccttc aggggtagtg atgtggtacc tgtatcccat caagaactgg 240
agatgtccca gcagtgagga actgggacat gtgacaggct gtggtggcac cactgagcct 300
agancatgga nccttggcat gccagggca agtngggaag ttctctgctc cccaggctgc 360
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tatttgcact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180
cagacggtga tgtnatana cctnttctgg ttcaggcaca gaccccagga aagcttttcg 240
ggaagccctg ctcatagaca ggtacctgtt gntgcacca gactttctcc gatacatgaa 300
caacagggtta cttgatgtct aaacacctgn attgtgceca ctggaatgat ataccgcccc 360
accactggng ccctcctgct gctcactgac cttccactct ttttaccaag ttagttgctt 420
tttgntncat cnctnanggc catgagcgct tttcctgatc actactatta tacatcatng 480
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cacttaggag	acaggagcag	aatataaaga	gttttgagga	gacctatgac	cgaaagctca	180
agaatgaact	tctaaacttc	cacaggctgc	atgggtgtctg	cctggctttg	ggaatcctca	240
tatgactttg	gcagggtgtg	gngtttggag	gctcttcggc	acaggagtgc	ttctatttcc	300
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<210> 2297

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<212> DNA

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 ttccctatac ttccaccaaa gacaacaatt tcctgtacct atgtggattc caagagcctg 180
 atagcattct tgncttnag agcctccctg gcaaacaatt accatnacac aaagccatac 240
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tggtcgnga tctggcactg 300
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420
 acatggcaca ngttttactn ttgactatat tgcagcccct tgactgaggc caaagtcaan 480
 agcn 484

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 tggggtgcag aaggatcgga tggataagaa tgcgtcaacc tttgaggatg tcaccaggt 180
 gtccctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240
 cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300
 ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360
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 tgccctgcgc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180
 gcagagagtg ggagctggga gagaggcgtc ccagtgtccc ccatgcaactg accagcactg 240
 ncgccctcct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300
 agtggaaactt gtgccccctgt ccangcgggt gcaagctttg aacacactgt cagccccgct 360
 ttcttgtgga aggtgtgggc tatgggtcac ctgggttctg gaagaagggg cccttaccga 420
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 gtctgtctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaa 180
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240
 gcctggagct ttcctgatga tgctggccct acagtacccc catgagggga ttccttctc 300

1595

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gttccccacc gtggtccggc tggcgggagg cgaggttgcc ccaggacaga gtgattnacg 240
gccaagacct tcttgccctt gctccttggg acaacccaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnaccagtg ggaattaaag gggcaaaggg 360
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tttttnggn naaaatttnc cccttttttg gg 452
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aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180
aagacggact gatgcagccc ctgaatcagg ctttcgggtcg ggccgggtcg catactgcca 240
ccaggctgat gccgtncatc ggacttgcca ggtnaaatc ggaccggctg gcctttaagt 300
ttgctgccag aagcgggtggc aatgcagcgg gttaagggtt gacgnetgca acgacntng 360
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1601

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ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cncttcatct 180
gcttcacang tggagtccgg acatcatacc agncctcgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaa ggtaactaca cctcnggnt 300
ctgggagtag tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
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<212> DNA

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<220>
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<220>
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<222> (45)
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<220>
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<220>
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<220>
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<222> (250)
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<220>
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<222> (251)
<223> n equals a,t,g, or c

<220>
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<222> (253)
<223> n equals a,t,g, or c

<400> 2304
ttggcttttn cncncatcaa gctcggccgc tactcnggcc tgtncaagg .tgtggcctac 60
ggagccacgc gctacaatta cctaaaacct cgggcagaag aggagaggag gatagcagca 120
gaagagaaga agaagcagga tgaactgaaa cggattgccg gagaattggc agaagatgac 180
agcatattaa agngagtgc cctgcgaccc actccttggg ccagcagcgg atgaataaag 240
cttcctgngn ngng 254

<210> 2305
<211> 443
<212> DNA

1603

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

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<222> (199)

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<220>

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<222> (252)

<223> n equals a,t,g, or c

<220>

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<222> (260)

<223> n equals a,t,g, or c

<220>

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<222> (261)

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<220>

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<222> (335)

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<220>

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<222> (342)

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<220>

<221> misc feature

<222> (363)

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<220>

<221> misc feature

<222> (401)

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<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

1604

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<400> 2305

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gccccagaaa attaaaacaa accctgagaa ccaaaatgaa cgaaaatctg ttcgcttcat 60
tcattgcccc cacaatccta ggcctaccg cgcagtagt gatcattcta ttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaact aacctcanna caaatgataa ccatacacia cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atccccctat 360
gancgggagc aatgattata ggctttcgct ctaaaattaa ngatgcctc ncccanttct 420
taccacaagg cacacctaca ccc 443
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<210> 2306

<211> 716

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (16)

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<220>

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<222> (81)

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<220>

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<222> (84)

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<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

1605

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<220>
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 <222> (440)
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<220>
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<220>
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<220>
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 <222> (573)
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<220>
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<220>
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 <222> (689)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (715)
 <223> n equals a,t,g, or c

<400> 2306
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 tcattggccc cacaatccta nggntaccg cgcagtagt gatcattcta tttccccctc 120
 tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
 taatcaaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240
 ctcttatact antatcctta atcattttta ttgccacaac taacctctc ggactcctgc 300
 ctcactcatt tacaccaacc acccaactat ctataaacct agccatggcc atcccccttat 360
 gagcgggcgc agtgattata ggctttcgct ctaagattaa aaatgcccta gccacttct 420
 taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480
 tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540
 tactcatgca ccttattgga ancgccaccc tancaatatc aaccattaac cttccctcta 600

1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660
 tccaaagcct acgttttcca cacttctnnt taagcctctt acctgcacaa caacnc 716

<210> 2307
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (384)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (411)
 <223> n equals a,t,g, or c

<400> 2307
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 ggacaagatt agagaatata aatctaagcg acagacatct ggaggacctg ttgatgctag 120
 ttcagagtat cagcaagagc tggagaggga gctttttaag ctcaagcaaa tgtttggttaa 180
 tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcatoga 240
 aaaaccccag gcctgaagaa ataaagtaaa attaactctgg taatttgtea cggattagtt 300
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360
 aattctgagt ccaaataaat tatntggtga tgttgaaana cncnttaage nctaaaatgg 420
 g 421

<210> 2308
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (41)

1607

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

1608

<220>
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<222> (316)
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<220>
<221> misc feature
<222> (324)
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<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<400> 2308
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caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
tcctagccat ggccatcccc ttatganegg ggcgagtgat tatangcttt cgntctaaga 180
ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacaccctt atccccatac 240
tagttattat ggnaaacatn atcctactcn ttcnaccaat agccctgggc gtnagcctaa 300
tcgcttacat tactgnaggg cacntactca tgcacctcat tggaanegtc ccctacaata 360
tcaatcatta aacttccttc tacacttatc tcttcacatt ctattctaac ttaatatcct 420
aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaacc 480
ttactttncg aaaaaccttt tt 502

1609

<210> 2309

<211> 283

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<400> 2309

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gcg ggaagcc ttccagagtg tgg tgc tgc gcc ggcctttgag aagagctgcc aggccatggt 60
ccagcaaatac aatgatagct tccggctggg gacacaggaa tacttgccagc agctagaaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatac ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcaggcgct 240
gacagctgct gacctgaacc tgg tgc tctgt atgtgtgtga aat 283
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<210> 2310

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

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gcagcattcg ggccgagatg ttcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaatt ttcctgaatt gctatgtgtc tgggtttcat ccacccgaca 180
ttgaagttga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactgggtc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatgggtga ctttttcaca agccaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tgggaattgg atgaattccc aaattcttgc ttgcttggct ttttaaanaa tggnaancct 480
attncacttt aacactttta ttgccccaaa antg 514

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<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1611

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2311

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ccntcactaa gggacaaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcggggccg nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tcctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tntctcaga agcccggtgc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

```

<210> 2312

<211> 387

<212> DNA

<213> Homo sapiens

1612

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 2312

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ggtntgcatg tcatacgcggt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgcact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcattcctggg cctggagcac atgcacaacc gcttcgtggg 180
ctaccgggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcaccac 300
gggtacatgg ctccggaggt cctgcagaag ggcgtggcct acgacagcag tgccgactgg 360
ttctctctgg ggtgcatgct cttcaag 387
```

<210> 2313

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (75)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<220>

1613

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<400> 2313

nnccctacgc ccgttacttt cggttttcttn ccttcctttt ttgccacggt cgccgggttt 60
ccccgtcaag ctttnaatng ggggctccct ttagggttcc caattaanng ctttacggg 119

<210> 2314

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (69)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

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<220>

<221> misc feature

<222> (672)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (677)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (712)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (732)

1614

<223> n equals a,t,g, or c

<400> 2314

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nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctancgc ccgctccttt cgctttcttc 120
ccttcctttc tcgccacgtt cgccggcttt ccccgctcaag ctctaaatcg ggggctccct 180
ttaggggtcc gatttagtgc ttacggcac ctcgaccca aaaaacttga ttaggggat 240
ggttcacgta gtgggccatc gccctgatag acgggtttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggctc 360
attcttttga ttataaaggg attttgccga ttctggccta ttggttaaaa aatgagctga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga aatgtgcgcg gaacccttat ttgtttattt ttctaaatac attcaaatat 540
gtatccgctc atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgccct tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739

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<210> 2315

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<400> 2315

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tctagatcgc gagcggccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 120
actggggaan cccaaaancc gcncaacnng atg 153

```

1615

<210> 2316
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (190)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (203)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (243)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (252)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (274)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (275)
 <223> n equals a,t,g, or c

<400> 2316
 ttactagttc tagatcgcca gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60
 ggcacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
 acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgag cacatccccc 180
 tttcgccagn tggcgtaata gcnaagagge ccgcaccgat cgccttccca acagttgcgc 240
 agnctgaatg gngaattggga cgcgccttgt agcnngcgca ttaaaccgccg g 291

<210> 2317
 <211> 363
 <212> DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

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<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

<400> 2317

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accggtccgg aattccccggg tcgacccacg cgtccgcca cgcgtccggg gggtgaggga 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngagggaag gngaaaagaa 360
ccc
```

<210> 2318

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

1618

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
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 <222> (307)
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<220>
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<220>
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 <222> (392)
 <223> n equals a,t,g, or c

<220>
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 <222> (439)
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<220>
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 <222> (443)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (458)
 <223> n equals a,t,g, or c

<400> 2318
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 ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120
 gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180
 actggccgtc gttttacaac gtcgtgactg ggaaaaaccct ggcgttaccc aacttaatcg 240
 ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300
 gcccttnccc aacaggttgc gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

1619

gcattaagcg cggcnggtgt ggtgggttacg cncagcgtga ccgctacact tgccagcgcc 420
ctagcgcccc ctcctttcna ttncctccct tccttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

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<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

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<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcttt cgcgccattc aaaggccatt tctgttacta 120

1620

```

tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggtat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcggtaccc caacttaatc cgccttgacg aacatcccc tttcgcaagn 540
tgngaatacc aaaaggcccn accnat 566

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<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

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<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

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cgggtcgacc cactcactgg atgctgactc tgtttctctt ctgagtgctg gggtagagga 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgctg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaaca 240
gtattnnttc agg 253
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<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

1622

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<400> 2321

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gctagttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaaccc tggcgntacc caacttaaac gacttgcagt acattccctc 180
tttngccagn tggng                                     195
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<210> 2322

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

1623

<221> misc feature
 <222> (148)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (180)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (375)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (387)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (425)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<400> 2322
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 ccgtttctta ctccctatgt ttgaanagaa acntnngng tgagatatatac aaatatattt 120
 aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180
 aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tctntatag tgtcacctaa 240
 attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300
 acttaatcgc cttgcagcac atacccttt cgccagctgg cgtaatagcg aagaggcccg 360
 caccgatcgc ccttnccaac agttgcncag cctgaatggc gaatgggacg cgccctgtag 420
 cggcncatta agcgcgngg gtgtggtggt tacnc 455

<210> 2323
 <211> 211

1624

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)

1625

<223> n equals a,t,g, or c

<400> 2323

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cn gaaanccc tttggaaacc ccnttggnac gaccgantat agggaaagct ggtacgcctg 60
caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn tttgtactgg atgacgtga 180
ggctcataat gaggtanaac cactttgnat n 211
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<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

1626

<223> n equals a,t,g, or c

<400> 2324

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gcggacgcgt gggctatattt ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacgca catnccctt tcnntcagnt g          231
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<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

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<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

1627

<223> n equals a,t,g, or c

<400> 2325

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ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagaccttn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
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<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (10)

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<220>

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<222> (14)

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<220>

<221> misc feature

<222> (102)

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<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

1628

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2326
atnntgnaan accnctcact ataggtaaag ctggtacgcc tgcaggtacc ggtccggaat 60
tcccgggtcg acccaccgct ccggggagag ttcacattat tncctttcca tnggaagngg 120
tgctggngna ttcaaatacgt tc 142

<210> 2327
<211> 155
<212> DNA
<213> Homo sapiens

<220>
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<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

1629

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<400> 2327
cttctctgga tangcngta gaactcctct ggaaaccctc actatagggn aagctggtac 60
gcctgcaggt accggtccgg aattccccggg tcgaccacag cgtccgccca cgcgtccgcc 120
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1630

<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2328
cncctcncng cctcgtatcc nctcactat agggaaagct ggtacgctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120
gngnggttnt 130

<210> 2329
<211> 191
<212> DNA
<213> Homo sapiens

<220>
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<222> (69)
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<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1631

<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2329
tactataggg aaagctggta cgctgcagg taccggtcgg gaattcccgg gtcgaccac 60
gcgtccggnc aatntngnng cttctgtggt ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatgggtt ataagagaac 180
tctcagnncc c 191

<210> 2330
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1632

<222> (93)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (172)
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<220>
 <221> misc feature
 <222> (197)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (201)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (206)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<400> 2330
 tccctatgna acncctttgt aataccctca ctatagggaa agctggtacg cctgcaggta 60
 ccggtccgga attcccgggt cgaccacgc gtncgcagaa agggagacca ttcatctct 120
 tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180
 acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1633

<222> (118)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (128)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (171)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (220)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (278)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<400> 2331
 tccctngtaa actcctttgn aataccctc actataggga aagctggtac gcctgcaggt 60
 accggtccgg aattcccggg tcgaccacg cgtccgggca tttctgaagt gcactttntt 120
 gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180
 ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240
 tggattatgt gtaacctttt tattgntcct agatgcanag gatagaaaag cattttttgg 300
 tgcantggt 309

<210> 2332
 <211> 158
 <212> DNA
 <213> Homo sapiens

1634

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 2332
ggactagttc tagatcgcg gcggccgctc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcactggccg tcnttttaca 120
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

1635

<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<400> 2333
nccaattcta ntacgntcct catagggttaa agctgggtacg cctgcaggtn ccngtccgga 60
attccccgggt cgacccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219

<210> 2334
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2334
gcccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60
gtacgcgtgc atgcgacgtc atancctctt tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160

<210> 2335

1636

<211> 154
<212> DNA
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<220>
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<222> (145)
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<222> (151)
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<220>
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<220>
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<222> (154)
<223> n equals a,t,g, or c

<400> 2335
ggactagttc tagatcgcgga gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn 154

<210> 2336
<211> 143
<212> DNA
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<220>
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<220>
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1637

<222> (15)
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<220>
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<220>
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<220>
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<222> (112)
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gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

1638

gtcgtgactg ggaaaacgaa tgt

143

<210> 2337

<211> 246

<212> DNA

<213> Homo sapiens

<220>

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<222> (243)

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<220>

<221> misc feature

<222> (244)

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1639

<220>

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<222> (245)

<223> n equals a,t,g, or c

<400> 2337

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ggnnnctnan tacgctctct aaaatacgag gccctataag gaaagctggt acgcctgcag 60
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgga ctagttctag atcgcgagcg 120
gccgctctag aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag 180
tgtcacctaa attcaattca ctggccgtcg ttttacaacg tcgtgactgg accccaaaaa 240
nnnnna                                         246
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<210> 2338

<211> 95

<212> DNA

<213> Homo sapiens

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<220>

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<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 2338

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ntgattacgn nntctcaa atcgagtcact atanggaaag ctggtacgcc tgcaggtacc 60
gggccggaat tcccgggtcg acccacgcgt ccgct                                         95
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<210> 2339

<211> 110

<212> DNA

<213> Homo sapiens

1640

<220>
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<220>
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<222> (43)
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gggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60
ggtacgctg caggtaccgg tccggaattc cggggtcgac ccacgcgtcc 110

<210> 2340
<211> 151
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (12)
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<220>
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<222> (27)
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<220>

1641

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<220>
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ccgggtccgga attcccggt cgacccacgc gtccgggggt ttagtcgtga tttttttttt 120
ttnncnngt tgngtcttt ttttaagcaan a 151

<210> 2341
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
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<222> (157)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature

1642

<222> (159)

<223> n equals a,t,g, or c

<400> 2341

gcggacgcgt gggactagtt ctagatcgcg agcggccgct ctagaggatc caagcttacg 60
tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159

<210> 2342

<211> 138

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (133)

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<220>

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<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

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<220>

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<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (138)

<223> n equals a,t,g, or c

<400> 2342

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ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138

<210> 2343

<211> 175

<212> DNA

1643

<213> Homo sapiens

<220>

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<222> (31)

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<220>

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<222> (165)

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<222> (168)

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<220>

<221> misc feature

<222> (169)

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<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 2343

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gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggaccccn aaatnggnng gggnt 175
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<210> 2344

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

1644

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 <222> (548)
 <223> n equals a,t,g, or c

<220>
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 <222> (554)
 <223> n equals a,t,g, or c

<220>
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 <222> (572)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (583)
 <223> n equals a,t,g, or c

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 ntnataaaaa aaagggttcag tattttcttt ttagtataac ttacatcctt tcaaataagt 120
 ctttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180
 cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240
 ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atggtcacat 300
 ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgttggt 360
 ttatatattca tgtcaaattg aaaagtttat ttcttcacta ttgtacctgt ggaaatacaa 420
 gccattttac aggaaaaaat cttcaaaaac tattaatggg atatcagcct gttaaaaaaa 480
 aaaaaaaagg gcggcgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540
 agctcttnta tagngtcacc taaattcaat tnactggccc gnnng 584

<210> 2345
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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 <222> (24)

1645

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

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<220>

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<222> (97)

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<220>

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<222> (155)

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<220>

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<222> (165)

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<220>

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<222> (231)

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<220>

<221> misc feature

<222> (259)

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<220>

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<222> (261)

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<220>

<221> misc feature

<222> (274)

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<220>

<221> misc feature

<222> (327)

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<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

1646

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<222> (370)
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<220>
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<222> (390)
<223> n equals a,t,g, or c

<220>
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<222> (422)
<223> n equals a,t,g, or c

<220>
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<222> (436)
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<400> 2345
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tacgccaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccggtc 120
cggaattccc gggtcgaccc acgcgtccga ctagnctctag atcgngggcg gccgctctag 180
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240
attcaattca ctggccgtng ntttacaacg acngactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggcccg 360
naccgatcgn cttgccaaca ggtgcgcnagn ctgaatggcg aagggacgcg ccctggagcg 420
gngcattaag cgcggnngg 438

<210> 2346
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
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<220>
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<222> (27)
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<220>
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<222> (79)
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1647

<220>
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<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2346
ggacgcgtgg ttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaaa cccagacann tnattnat 168

<210> 2347
<211> 575
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
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<222> (17)
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<220>

1648

<221> misc feature
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<220>
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<220>
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 <222> (550)
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<220>
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 <222> (561)
 <223> n equals a,t,g, or c

<220>
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 <222> (569)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<400> 2347
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 gactcactat antgattngc tggtagcgct gcaggtaccg gtccggaatt cccgggtcga 120
 cccacgcgcg cgccacgcg tccgtttaat ttgtacttaa aatacathtt actaatcata 180
 ttgattttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240
 tcctagagaa gcctaggtaa aaatgggttc cacctagtct gtttgtataa caccttcccc 300
 cgtcccctct ccattccctgc caattgggtc ctatgcatat tgacaagcaa ataagaaaac 360
 cttagggtttc ttgtatttga atttccaaaa caataaaaagg ttttgactca agattttgcat 420
 tcaagaagag gcagaaattt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480
 gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgc 540
 tgggtggntn tatttggcag ngctgatgng ntagg 575

<210> 2348
 <211> 188
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

1649

<220>
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<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
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<220>
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<222> (58)
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<220>
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<222> (60)
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<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (174)
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<220>
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<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<400> 2348
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gttggtacgc ctgcaggtac cggtcgggaa ttcccgggtc gacccacgcg tccgctaagt 120
ctgatcgcat tgtgaatgaa acttagattt gaaaacagct cctaggatnc ctgncagcnc 180
ctgnagna 188

1650

<210> 2349
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 2349
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60
tatatngatt ngctggtagc cctgcaggta ccgggtccgga attcccgggt cgacccacgc 120
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350
<211> 379
<212> DNA
<213> Homo sapiens

<220>

1651

<221> misc feature
<222> (7)
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<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
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<220>
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<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
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<222> (292)
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<220>
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<220>
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<222> (373)
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<220>
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<222> (376)
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<220>
<221> misc feature

1652

<222> (379)

<223> n equals a,t,g, or c

<400> 2350

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actatagggga anagctggta cgcctgcagg taccggtccg gaattcccgg gtcgacccac 120
gcgtccgact gacgtgaaga aaatatgcca ttgtttattc cctcctgcat catttccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctggggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn                                     379
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<210> 2351

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (16)

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<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

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<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (121)

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1653

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2351
cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60
tatagggaaa gctggtacgc ctgcaggtac cggncgggaa ntcccgggtc gacccacgcg 120
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180
aatacacttg ggtaccactt gnattttagn gtaaataaaa agat 224

<210> 2352
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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1654

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1655

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ccacgcgtcc	gatcattttg	ctcatgngtc	ttttcttagt	gagcacagca	aaaaaatgtg	180
tntctgatca	ttggacatgg	catcagtagt	gatgggattc	actgacttgn	cacacaggag	240
atctgggtta	tagttcaagc	tctctttctt	tttctaaaat	tggttatgcc	atttatattc	300
tcctctgaga	taaggatcta	ctagaaattg	ctgngttcta	aactaatact	tatcaaacag	360
ggttccatgg	tcctaaggga	accgtgcact	gcacatcttc	tgagggtctg	aaaatcttta	420
ggaatttcag	ngngngngng					440

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<210> 2353
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<212> DNA
<213> Homo sapiens
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<220>

1656

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<220>
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1657

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgctgcagg 120
tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

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<220>

1658

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<220>
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 nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180
 cagnagnngg gcgactgtac atctatcgac atggngaggt agagcatggt tgggaggaaa 240
 gacgntgaat cccatttggg gacagngagc ttgagnggct gccagaacac tgcactgaag 300
 ataggaggag actgn 315

<210> 2355
 <211> 197
 <212> DNA
 <213> Homo sapiens

<220>
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1659

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<220>
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<220>
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<220>
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (196)
<223> n equals a,t,g, or c

<220>
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<222> (197)
<223> n equals a,t,g, or c

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tctaatacga ctactatattt gggaaagttt ggtacgcctg caggtaccgg tccggaattc 120
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180
aagaaacacg cnannnn 197

1660

<210> 2356
<211> 139
<212> DNA
<213> Homo sapiens

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<220>
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ggtagcggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120
agngacgntg aatgcgggt 139

<210> 2357
<211> 578
<212> DNA
<213> Homo sapiens

1661

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<222> (308)
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<220>

1662

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 ggaaanttggt tacgcctgca ggtaccggtc cggaattccc gggtcgaccc acgcgtccgg 120
 gtgaaagggg ggaccctacc ctccagaacat gaggggaataa tatttacgng gctcaciaag 180
 accagtggagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240
 tctaggctca gccttnnctg accctccgag aactctatga attgctgcca agtgntttaa 300
 ttttcctnag aatttcttng naatgttatt gaggggttga ggtcctttta caaattttg 360

1663

aaataagtaa atcaaattgag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc ttttaagaaac caacctagga gnggattttc tataagnaat gggctctaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (137)

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<222> (165)

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<400> 2358

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cgactcacta tagggaaagc tggtagcct gcaggtaccg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaanann aanagaacct taaaaaacta gaganc 166

<210> 2359

1664

<211> 369
<212> DNA
<213> Homo sapiens

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<222> (70)
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<220>
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tagggaaann tggtagcct gcaggtagcg gtccggaatt cccgggtcga cccacgcgtc 120
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180
gtagcttttt ctcccttggg ggcacataca aataggatgt gttgatgtgg actctaaact 240
gtaattttcc tgtaactatt ttggaatgat gcatatttct aatgtttgtt atacttgtac 300
agagtattgc tgntgggtgc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360
ttttaaaga 369

<210> 2360
<211> 185
<212> DNA

1665

<213> Homo sapiens

<220>

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<222> (137)

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<222> (155)

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<221> misc feature

<222> (176)

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<222> (177)

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<220>

<221> misc feature

<222> (179)

<223> n equals a,t,g, or c

<400> 2360

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gactcactat agggaaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta 185
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<210> 2361

<211> 404

<212> DNA

<213> Homo sapiens

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<222> (5)

1666

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<220>

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<220>

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<222> (403)

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<220>

<221> misc feature

<222> (404)

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<400>, 2361

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accgggtccgg aattccccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120
aaattaatat ttggtagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

1667

```
ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgac ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaata agaaatatac ctgttttgtt ctaaaaaaaa nnnn 404
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<210> 2362

<211> 561

<212> DNA

<213> Homo sapiens

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<220>

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<222> (426)

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<220>

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<222> (522)

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<220>

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<222> (526)

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<220>

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<222> (534)

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<220>

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<222> (549)

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<220>

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<222> (558)

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<400> 2362

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ggccccagtat tattccagat tctcctgagc tagatactgc cctaaggcct tgtacactta 60
aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttatttaa catttttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcgggccgctc tagaggatcc aagcttacgt 300
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1668

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acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg 360
ncgttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420
cacatncccc ttctgcagct ggcgtaatag cgaaaaagcc cgcaccgatc ggccttccaa 480
caagttgctc agcctgaatg ggggaatggga cgcgccctgt ancgngcat taancgccgg 540
gggtgtggng ggtaccnca a 561
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<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (330)

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<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

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<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

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<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

1669

<220>
<221> misc feature
<222> (339)
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<220>
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<220>
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<222> (456)
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<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
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<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
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<220>
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cacctcgtga gtctctggaa agcaggggtcg gcctctgaat acagaggact tgggtcctgc 120
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180
gctgcagcga aggccgtggt ggtcgaggtg agggtggtgg ccaggtcttg ttgccgcagt 240
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

1670

aaataaaata ttttcacctg aaaaaaaaaa nnnnnnnnnn aaaaaaaaaa gggcggccgc 360
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtggca 420
cctaaattca attactggcc gcgttttaca acgtcngact gggaaaaccc tggngttacc 480
caacttaatc gccttggann aaatnccctt ttg 513

<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

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<220>

<221> misc feature

<222> (166)

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<220>

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<222> (259)

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<222> (272)

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<222> (317)

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<220>

1671

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1672

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<400> 2364

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aacaacttgc atgaattagt ttnttgtagc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaannnna nncannaagt nanaannacc ctccanaag ggcggggcgc 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
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<210> 2365

<211> 279

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1673

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<400> 2365

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tgaggtggca tcntgcntg atnagggacc catnntgaat ttctgtgngg gatangagtt 180
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240
caggctnttt aaagtganga aattancaat gaaaaagca 279

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<210> 2366

<211> 243

<212> DNA

1675

<213> Homo sapiens

<220>

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<220>

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1676

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<400> 2366

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atccaggcca naaagttcac agtcaaattg ggaggggtat tcttnatgca ggagacccca 180
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240
ttt 243
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<210> 2367

<211> 178

<212> DNA

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<400> 2367

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acgcctgcag gtaccgggcc ggaattcccg ggtcgaccca cgcgtccggt aaaacctgga 120
taatcagngt atgttgcacc agaggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

<211> 139

<212> DNA

<213> Homo sapiens

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1678

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gcctgcaggt accggtccgg aattcccggg tcgaccacg cgtncgattn tatgnccttg 120
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<210> 2369
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1679

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cgggtccggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattnctcta 120
gaggctggca agaaccaggn ggttttgntc tgccgggtctg gacaggggtt ggaaaggcca 180
anccccga 187

<210> 2370
<211> 367
<212> DNA
<213> Homo sapiens

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<220>

1681

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<222> (367)

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<400> 2370

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cccgggtcga cccacgcgtc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120
attatatatt ttgtacagag antacaggcc ntngatnta ttaaaatcag nagatgntng 180
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgctttntgn 240
gatcngcggt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300
ataaatatatt aattttttta attgatcttg tataatcana tgccccttna agcattatta 360
tagaagn                                           367

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<210> 2371

<211> 239

<212> DNA

<213> Homo sapiens

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<220>

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<222> (68)

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1683

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<220>
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<222> (178)
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<220>
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<222> (233)
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gtccggagat antangtaat tgtattgacg tgcagangca tccatctctt ggattctnat 180
tncttctacc antgcagaac tttcacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372
<211> 279
<212> DNA
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<220>
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1685

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tgaccatgat tacgccaagc tctaatacga ctactatag ggaaagctgg tacgcctgca 120
gggtaccgggc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aaccatggag ttgggggctta 240
gctggattat ncttgntgct atgataaaaag gngtnaacg 279

<210> 2373

<211> 262

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (250)

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<221> misc feature

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1686

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<222> (256)

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<400> 2373

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ntaatagcag tcactatagg gaaagctggt acgcctgcag gtaccggtcc ggaattcccg 120
ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaanaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaan gggngntant tt                                     262
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<210> 2374

<211> 194

<212> DNA

<213> Homo sapiens

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<222> (27)

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1687

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<222> (155)

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<222> (168)

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<222> (178)

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<400> 2374

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atagggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gctcatcggt tcacntcacc cccctgcnc ccttggnctc 180
taantatgct aatg                                     194
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<210> 2375

<211> 289

<212> DNA

<213> Homo sapiens

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1688

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<400> 2375

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acgccaaagct ctaatacgac tcactatagg gaaagctgnn acgcctgcag gtaccgggtcc 120
ggaattcccg ggtcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt ttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289
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<210> 2376

<211> 177

<212> DNA

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1689

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<220>
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<220>
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tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377
<211> 197
<212> DNA
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<220>
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<220>
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1690

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gaccacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
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1691

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ccacgcgtcc gcctttgggg tacataaaat gtcgggttct ctgaattttt tatcgaattt 180
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300
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gnantaggaa tacgctttta aagaacga 388
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 ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180
 acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240
 tacccaactt aatcgccctg cagcacatnc ccttttcgcc agctggcgta atagcgaaga 300
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1694

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caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac ctaaattcaa 180
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa 240
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360
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nag 423

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1696

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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180
canccccctt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240
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aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaage ncggcggggtt 300
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1700

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gcgacgttat agctattcta tagtgtcacc taaattcaat tcaactggccg tcgtttttaca 120
acgtngngac tgggaaaacc ctggcggttac ccanccttaat cgccttgacag cacatcccc 180
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240
caaactgaat ggcgaatggg accctgccct gnaacggggc anttaagcnc ggtgggtggg 300
gnnggtncct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360
nctttcttnc tcgncacgtt cgcggnnttc ncgaaagctc taaatcgggg gtcctcttta 420
gggttcgat ttaagggttt tacgggacct cgaccncaa aaacttgatt agggatgatg 480
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1702

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tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180
ccctggcggt acccaacnta atcg 204

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agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180
atataaaatg agctttccta aattaaatct attttaaata aaggttatta ctattaaaaa 240
aaaaaaaaaa aagggcggcc gctctagagg atccaagctt acgtacgctg gcatgcgacg 300
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360
tgactgggaa aaccctggcg ttaccaact taatcgctt gcagcacatc cccctttcgc 420
cagctggccg taatagcgaa gaggccgcga ccgatcgccc ttcccaacag ttgcgagcgc 480
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gtta 544

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ctctccactt cctgttcaca cagggggggg cggaagtgg agggaggaag ttgggggggag 180
gcgtgtaggg gggaccatt gnntgnnngg aa 212

<210> 2387
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1705

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cgtcgtgact gggaaaaccc aangn 145

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attgnaaggt ccggcgg 137

<210> 2389
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<212> DNA
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1707

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gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcactggccg tcgttntaca 120
acgtcgtgac tgggaaaacc caaggngag ctgtggatcn na 162

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1708

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gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagnnggn tnnnt 155
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<210> 2391

<211> 161

<212> DNA

<213> Homo sapiens

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<222> (144)

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<400> 2391

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ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161
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<210> 2392

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<212> DNA

1709

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cctgtcccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactggggccc gtcgtttaca cgnntgact gggaaaaccc tggngttacc 420
caacttaanc gccttgagn aaatccccct tttgccaaatt ggggtataac caaaaaggcc 480

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1710

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<210> 2394
<211> 476
<212> DNA
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<220>

1711

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1712

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<222> (436)

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<400> 2394

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ggctggtgag ccgcacgcca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcgg tccgagggcn ccagccnccg tggcagctg gagacgccat 180
ccaagcggag cgcgagatc ggcccgcgca ncgcctccta ctacgcttg tcgncgccc 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcggtgcgac gacgcgctgt 300
cgcnctacag cnagctggag ctgaccgcgn gtcngtccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnngcn cctaaatnca 420
attcactggc cgtcgnttta caacgtcgtg actgggaaaa ccctgggggtt acccaa 476
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<210> 2395

<211> 485

<212> DNA

<213> Homo sapiens

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1714

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1715

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aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaactttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtataaaa aaananaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanctcttc tatagtgtca cctaaatnca 360
attcactggc cggngnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
ttaatcgnct ttgcnngcac atccccctt ttcggcagct ggcgtaaatn gcgaaagaag 480
gcncg 485
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<210> 2396

<211> 234

<212> DNA

<213> Homo sapiens

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1716

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ggcggnrtgtg gtggatacgc gcagcgtgac cgctacactt gccagcncgc tacgcccgt 120
cctttngctt tacttccctt cctttctcgc caggttcagc cggctttccc cgncaaagct 180
tntaaatcgg ngggcttccc tttanggggt cccgatttta gnggcctttt acgg 234

<210> 2397
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<212> DNA
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1717

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<220>
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<400> 2397

1718

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ctgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tngttttaca 120
acgtcgtgac tgggaaaacc ctggcgttac ccaacttaat cgccttgag cacaatcccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaaatggg acgcgccctg tagcgggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334
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<211> 306

<212> DNA

<213> Homo sapiens

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1719

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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 120
atcccccttt cgccagctgg cgtaatagcg aagaggcccc caccgatcgc ccttcccaac 180
agttgcgag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcggg 240
tgtggnggta cccncaacgt gaccgtacac ttggcnagn ccctaacggc ccggttcttt 300
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<210> 2399
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<220>
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1720

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<220>
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<222> (461)
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<220>
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<220>
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aaaanaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180
agctcttcta tagtgncacc taaattcaat tcaactggccg tcgttttaca acgtcgtgac 240
tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatcccc ttctgccagc 300
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgag cagcctgaat 360
ggcgaatggg acgcgccttg tagcggcgca ttaagcgagg cgggtgtggt gggtacnccg 420
cagcgtgacc cgctacactt gccagngccc taccgccccg ntccttcgct ttcttccctt 480
cctttntngc cacgttcgcc cg 502

<210> 2400
<211> 327
<212> DNA
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<220>
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1721

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acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca 120
acagttgcgc ancctgaatg gcgaatggga cgcgccttgt agcggcgcat taagcgcggc 180
gggngtggtg ggtacgcgca gcgngaccgc tacacttgca gcgcctagcg ccgctctttc 240
gcttcttctt tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggctcctta 300
aggttcgatt aaggcttacg gacctcg 327

<210> 2401
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1722

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<220>

1723

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<220>
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1724

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 catatcacaa catcacttat ncctgatttc acctananaan gactcnattc ttgtctcat 180
 gtctntncac cacatnatnt ccntnnngtn atccaatatg ccncatnang acnaattcct 240
 tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300
 tcctgactcc gtctnacnt anaccacnct cttggactct ttg 344

<210> 2402
 <211> 444
 <212> DNA
 <213> Homo sapiens

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1725

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gacacccct tactgcccc agatacagtc gcccccgat tcgtcccaag ggacaacctc 60
cgacgcgtct ctttgacgc caccccaagg ctgtccctgg acgcagncgt cccagagcc 120
ccggaaccca ccagtgcctt ggacgnggt cccagcaact ttggagctgg ccgcagtgtg 180
ccagggtctc tctgtgtctc cagagccctg tctgtcgtg ggagctccat ctctcctgcc 240
ccacncatna tgccagagac tgcagcctca gaccnnggg angtgctgga gccacagtgc 300

1726

```

agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

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```

<210> 2403
<211> 522
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

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<220>
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<222> (472)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (476)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

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<400> 2403
ttttggctgg ctggcccca ggaagaggan atggatntgg acatacctgc tgtgaaagtg 60
aaagaggagc cacgagatga ggaggaagag gccaagatga aggctcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acacctccc tggccagcca 240
cccacccagg acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaatgcttg taccctggct 360

```

1727

gacctgacag aggggtcaggt tggcaagcta ctcacccgca agtctggaag ggtgcaactc 420
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tncatgnagga 480
gctgggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404

<211> 168

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<400> 2404

ggatcgctgc agcgagggtc tggcggctaa accgtgggtt gagccaggct gccctcctgc 60
tgctgcggca gcctggggct cggggactgg ctagatctgt gactacctgg gcccaggcg 120
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgnng 168

<210> 2405

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1728

<222> (463)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (467)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (504)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (513)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (568)
 <223> n equals a,t,g, or c

<400> 2405
 gggcctgcag agcaacatgc ccaagtttta ttgtgactac tgcgatacat acctcaccce 60
 tgactctcca tctgtgagaa agacacactg cagtgggaagg aaacacaaag agaattgtgaa 120
 agactattac ctctactcc attctctgct cctcctcctg caggggagat gataccacct 180
 cccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcaccceca tatggggggc 240
 cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
 cctggaatga ggccgccatg ggaggccata tgccaatgat gcctggggccc ccaatgatga 360
 gacctcctgc ccgtcccatg atgggtgccc ctcggccgga atgactcgac cagacagata 420
 aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
 atgctgctgg gatactgagt ttntaaaca gcntanggae nacttggtcc ccttgtccta 540
 tgaaaagaga atagttttgg aggggaanaa atgg 574

<210> 2406
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>

1729

<221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<400> 2406
 ggctccagg ggcgttgga acggtttag gacgtggctc tttattcgtg agttttccat 60
 ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc 120
 ggccttgagc gctgagcaag caaagggtggt cctcgcgag gtgatccagg cgttctccgc 180
 cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240
 ccttaagttt gctcgcttgg tcaagtccta cgaagcccag gaccttgaga tcgccagcct 300
 gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360
 tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttggtgcca ctgccagggg 420
 aggaaaggcc ttgatgttcc agacaataat naatgcnct gtgacttana aaaaaaaaaa 480
 aan 483

<210> 2407
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (289)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (340)
 <223> n equals a,t,g, or c

<220>

1730

<221> misc feature
 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (488)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<400> 2407
 cccacgcgtc cgggcagaca tcaatacaaa atgggcagcc acacgatggg ccaagaagat 60
 tgaagccaga gaaaggaaa ccaagatgac agattttgat cgttttaaag ttatgaaggc 120
 aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180
 cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240
 tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300
 tcccacccaa aaggttcctg cccanaaagc cacaggccan aaagcacgcc tgctccaaaa 360
 ctcanaaagg tcaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420
 tgcatcataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480
 aagacanntc ttccttntca ntc 503

<210> 2408
 <211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>

1731

<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1732

<222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (519)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (593)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (595)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (621)
 <223> n equals a,t,g, or c

<400> 2408
 aacgcncnaa taagctcgct tggngcccca ggtaccggtg cggaattccc gggtcgaccc 60
 acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
 gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
 agcttctttt ccctaattgc gggcctcacc attgcatgca atgactatgt tgtagtacac 240
 atgaagcaga agggaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
 tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganttang 360
 gaccnnaanc aggacacttn agcaaagtga aaaataaaaat ctaactctca tttgacaagc 420
 agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattgggt gcacccctt 480
 gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
 aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
 aaattcaatt cactggccgg nggtttacaa cg 632

1733

<210> 2409
<211> 320
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>

1734

<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
<223> n equals a,t,g, or c

<400> 2409
ncactatagg gnnaggtgga acgcccgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
cgcttttcgag cgcntttccc ctgntgacat cgacactcat acagngaaag tatgaccctt 120
ccctgaagcc cctgncngnt tcctatgatc aagcaacttc cctgaggatc ctcaacaatg 180
gtcatgcttt caacgnggag ttggatgact ctnaggacaa agcagtgtc aaggaggagac 240
ccctggatgg cactaacaga tggattaagc ttcactttaa ctgggggttna cttnatggac 300
aaaggntnaa aacatactng 320

<210> 2410
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

1735

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

1736

<400> 2410

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gagctcccg c tggcctttc caaaggccac agaggaggna aaagcatcta agcctcacca 60
tgaatggccc agtggnaacc antttgccc gacaggggac cccaatagca angctctgcc 120
tccttggccc caattcaacc aggcggaaac aatttctgga aatcaaccca ntgccanggg 180
cgggacaaaa tttcagggag gcctggatgc tattctggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaacg gaagggccct ggagggactn ctgaaggcag 300
gcctaaanct ttcttggggg tggggcaaac caa 333

```

<210> 2411

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (607)

<223> n equals a,t,g, or c

<400> 2411

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gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggccccgg 120
cggcctggac cccgtcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggacccca ccgacgcaa 240
gtaccacatg cagcgtgca ttgactctgg cctctgggtc cccaactcta aggccaagcg 300
aaggccaagg agggagagga ggcaggctct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccc gctaccaccg tcacctgett 420
ccaggccctt atgtgccctt tttcagaaaa cagatagatg ccatctcgcc cgctcctgac 480
ttctctactt gcgctgctcg gccagcctg gggggcccg cagcctcctg gcttttcaact 540
gtttcactct cagcgccatt aagtctctgc tttagtcaag gggcttcaact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

```

<210> 2412

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 2412

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aggctttatc atcgacgata gcgtacttta tagcggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcgggc ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccgga aatcaagaac gatattcgct tgttccgcca 240
ggagctgcgt gatgccgctt atcatttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgacttct acattccgga agatgaacct ttcaagataa tt 532

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1737

<210> 2413
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

1738

<400> 2413

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ggcacgagct cgtncgtttg gnaggggggtt gtnccctcct tcgatgcatt ccagccttgg 60
actcattgac tccagctaata gaagatcaaaa aaattgggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcaggtgt tgaaggatct ttgatagttg 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatggtgg aaaaagggaa tcattgaccc aacaaagggt gtgaaganct gctttatttg 300
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagtttgtag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaata tgggaggttn 420
gtatttgga ggtggcatnt tcct 444
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<210> 2414

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (173)

<223> n equals a,t,g, or c

<220>

1739

<221> misc feature
 <222> (174)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (254)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (315)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (318)
 <223> n equals a,t,g, or c

<400> 2414
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 gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120
 aggtgacaag agattngccc aaatcttgtg acaaaactac acatgcccac cgnnccagac 180
 ctgaactcct ggggggaccg cagcttctct tcnccaaaaa cccaagacac gctatgatct 240
 cccgncccct gagnacatg cgtggtggtg acngtagcca cgaagaccct gagggcaagtc 300
 aactggacgt ggacngcn 318

<210> 2415
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

1740

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

1741

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<400> 2415

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nncgcggggt ttccccgggg aaaaattttc ccccgggggg gggtcccgga accccccaaa 60
cgggccggtt ctccggggcn cccggggggg gaaaaagggg gccttcntta aggaaaaaaa 120
aagggggggg ccnngcccaa tttgggccgn aatccccaaa accccaattc cggggccaag 180
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtgg ggggaaaggg 240
gggaaacccc gtcgggccgg tcnccttgcc gtgggnnggc cccattgggg ggtggaagaa 300
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtgt 360
tctaagtatt tatttaaac aaaagaatcn ccgttaaaan acatnn 406
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<210> 2416

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1742

<222> (456)
<223> n equals a,t,g, or c

<220>
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<222> (460)
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<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
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<222> (581)
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<220>
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<222> (583)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
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<222> (647)
<223> n equals a,t,g, or c

<400> 2416
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ctcagacctt ggcctcctat cctatcgaag ctactggtcc cagaccatcc tggagatcct 120
gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180
aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240
ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300
ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360
ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

1743

```

gnagcagggga cttggggggt tgaatagccc aatncnggcn cccanttgga agnttcccac 480
aaaagcaact tttaagggga aaatgggggt tgaggggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc cactgggtg gcccaacacc nangcnaagc ttccggggtt 600
aagaccaact ttcaaagggtc aagntggggtc caaggcccaa ggcttcnt 648

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<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

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agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgtgtc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgtgttg gatcggttc taaaggaaag ggtggagaga ttcaaccagt tagcgtgaaa 240
gttgagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n

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<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

1744

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<400> 2418

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ggttcggatat cgcccggtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggctgctgc tacctctcgt gctttgcgtg gggctcggcg cacttggtgtt ttcttcgggg 120
gccgaggggt tccgcaagcg aggccctcg gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatgttgg cagaattgtg attggcctct ttggaaaagt tgtgcccaag 240
acagtggaaa attttgttgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336
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<210> 2419

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (131)

1745

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

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<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1746

<220>
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 <222> (318)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (328)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (337)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (401)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (410)
 <223> n equals a,t,g, or c

<400> 2419
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 tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120
 tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180
 accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240
 tnaccncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300
 cccctacccc ccaattanga aggcactngn cccaanatg catcaccccg ctaaattcccc 360
 tagaatccca ctccctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (80)
 <223> n equals a,t,g, or c

<220>

1747

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1748

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 2420

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gc atgcctat catatagtaa aaccagccc atgaccacct acaggagccc tctcagccct 60
ccta atgacc tccggcctan ccatgtgatt tcacttccac tccataacgc tctcactact 120
aggcctacta accaaccacac taaccatata ccaatgatgg cgcgatgtnn cacgagaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
at ttattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagccctt acccccctat taggaaggca ctggccccc ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
ttatggtctc tatttacctc ctaaaactca aatattcaat ctcttcaca tttcca 536
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<210> 2421

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1749

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (539)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (581)
<223> n equals a,t,g, or c

<400> 2421
caaaagggaa caaaagggnnn agctccaccg cgggtggcgggt tgctctaaaa ctantggatc 60
ccccgggctg caggaatncg gcacgaaatt tattacctca naagtttttt tcttcgcagg 120
atTTTTctga gccttttacc actccagcct agcccttacc cccaattag gagggcactg 180
gcccccaaca ggcataccccc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240
attactcgca tcaggagtat caatcacctg agctcaccat agtctaatan aaaacaaccg 300
aaaccaaaata attcaagcac tgcttattac aatttttactg ggtctctatt ttaccctcct 360
acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggctcaac 420
atTTTTtgta gccacaggct tccacggact tcacgtcatt attggctcaa ctttcctcac 480
tatctgcttc atccgccaac taatatTTTca ctttacatcc aaacatcact ttggcttcna 540
aaccgccgcc tgatactggc atTTTgtaaa tgtggtttga ntatttctgt atgtctccat 600
ctatggatga agg 613

<210> 2422
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

1750

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2422
gatgaccctt aacaggagcc ctctcagccc tcctaattgac ctccggccta gccatgtgat 60
ttcacttcca ctccataacg ctctcctac taggcctact aaccaacaca ctaaccatat 120
accaatgatg ggcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180
tccaaaaagg ccttcgatac gggataatcc tttttattac ctcagaagtt tttttcttcg 240
caggattttt ctgagccttt taccactcca gcctagcccc tccccccaa ttaggaaggc 300
actggcccc aacangnatc accccgctta atcccctana atttccactt cctaaacaca 360
tccgttttna tcgcatccgg gatttttnctt c 391

<210> 2423
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1751

<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
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<222> (366)
<223> n equals a,t,g, or c

<220>
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<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<400> 2423
gcgaccgttg actattctct acaaaccaca aagacattgg gaacactata cctattattc 60
ggcgcacatg ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

1752

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cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240
cccctnataa tcggtgcccc atatgggggt tccccgcata aacaaataac tctgaatctt 300
actcctctct cctaactctg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360
tctacncctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaaggtttc 420
ncttttgggc tcattctcca cattcttaac ccgctacat 459
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<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (642)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (695)

<223> n equals a,t,g, or c

1753

<220>
 <221> misc feature
 <222> (712)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (723)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (726)
 <223> n equals a,t,g, or c

<400> 2424
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 ttttccttat ctgcttcccta gtccctgtatg cccttttccct aacactcaca acaaaaactaa 120
 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
 tcacccctagt cctcatcgcc ctcccatccc tacgcatacct ttacataaca gacgagggtca 240
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
 ccgactacgg cggactaatc ttcaactcct acataacttcc cccattattc ctagaaccag 360
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gcccccatc 420
 gtataataat tacatcacaa gacgtcttgac actcatgagc tgtcccacat taggcttaaa 480
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttaccta tagcaccct 660
 ctaccctct tgaacaaaa aaaaaanaa atccnagggg gggccggccc cnttcccccc 720
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (396)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (494)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

1754

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2425
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ttttccttat ctgcttcccta gtccctgtatg ccccttttcc aacactcaca acaaaaactaa 120
ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgagggtca 240
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
ccgactacgg gggactaatc ttcaactcct acataacttc cccattatc ctagaacagg 360
cgacctgcga ctcccttgacg ttgacaatcg aattantact cccgattgaa gcccccatc 420
gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480
gggcttttaa aaanaaaaat gcnattnccc cggnacttt cttaaancce aaacc 535

<210> 2426
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

1755

<220>
<221> misc feature
<222> (558)
<223> n equals a,t,g, or c

<400> 2426
ctcagacgct caggaaatag aaaccgtctg aactatcctg cccgccatca tcctagtcct 60
catcgccctc ccateccctac gcatccctta cataacagac gaggtcaacg atccctccct 120
taccatcaaa tcaattggcc accaatggta ctgaacctac gagtacaccg actacggcgg 180
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240
ccttgacggt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgcaat catgagctgt cccacacatta ggcttaaaaa cagatgcaat 360
tcccgagcgt ctaaaccaaa ccactttcac cgctacacga cggggggtat actacgggtca 420
atgctctgaa atctgtggag caaaccacag tttcatgccc atcgtcctag aattaattcc 480
cctaaaaatc tttgaaatag ggnccgtatt taccctatag canccctct aaccctcta 540
gagccaaaaa aaaaannnaa aaa 563

<210> 2427
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

1756

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
<223> n equals a,t,g, or c

<400> 2427
nagaancatg gatccccngg ctgcagantc ggcanagtaa cagacgaggt caacgatccc 60
tcccttacca tcaaatcaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120
ggcggactaa tcttcaactc ctacatactt cccccattat tcctagaacc aggcgacctg 180
cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240
attacatcac aagacgtctt gcactcatga gctgtcccca cattaggctt aaaaacagat 300
gcaattcccc ggacgtctaa accaaaccac ttccaccggt acacgaccgg ggggtatact 360
acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccatcgctct 420
agaattaatt nccccataaa atctttggaa taggggnccg tatttacctt atagnaaccc 480
ctctancccc tctaggngcc aaaaaaaaaa aaaaaactgg ggggggggccg ggaanc 536

<210> 2428
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

1757

<220>
 <221> misc feature
 <222> (348)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (433)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (466)
 <223> n equals a,t,g, or c

<400> 2428
 cgttatcatt tatgtgcctt ttatagtgtg aacacatcac caccctgaat ataatttttag 60
 tgttttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120
 gggatatggag aatttaaagg acctgtagggt tatgatgatt ataacgaaat aaccaaagca 180
 ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggttgga ggtggagggg 240
 ggttggttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300
 atttaatatc ccaatatgga actagggttca ntaagaagaa ngacagcnta gatccttaca 360
 tatacacacc ctttggaact ggacccaaaa ctgcattggc atgagggtttt gctctcatga 420
 acntgaaact tgntctaatac agaggccttt canaacntct cctttnaacc ttg 473

<210> 2429
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

1758

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 2429
gcacctgtgg aanttgatcg aaggcggtgc ccacatctac gtctgtgggg atgcacggaa 60
catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggcgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccacccaca gactccggcc tgtaatcagc 240
tctctggct ccctcccgtg gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan 315

<210> 2430
<211> 526
<212> DNA
<213> Homo sapiens

<220>
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<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)

1759

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (462)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

1760

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2430

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gattcagaga ttttccgacc ttctcccat ggggtgtgcc cactattgtca cccaacacac 120
cagcttccga ggggtacatca tccccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcactgaaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggg gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccctccttca 360
gaacttctnc atggncagcc ccgtgggcc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc cccaacata ccagaaccgc nnttcttggc cccgctgaaa 480
gggcttangg gaaagggggg caaaaggaat tccagggnca atncaa 526
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<210> 2431

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

1761

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<400> 2431
gcttctccgc tccttctagg atctccgcct ggttcggccc gcctgcctcc actcctgcct 60
ctaccatgtc catcagggtg acccagaagt cctacaaggt gtccacctct ggcccccggg 120
ccttcagcag ccgctcctac acgagtgggc cgggttcccg catcagctcc tcgagcttct 180
cccgagtggg caagcagcaa ctttcgcggg ggcctgggcg ggcggtatg gtggggccag 240
cggcatggga ggcatcaccg gagttacggg aaccagagct gctgagcccc cttgtcctgg 300
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420
tggaagacaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

1762

<220>
 <221> misc feature
 <222> (633)
 <223> n equals a,t,g, or c

<400> 2432
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 ctgcacacgc ttcccgacgc gtctgctgag ccccatggcc cagccacgc tctccgcgc 120
 ccccgcaat ccccggtcc tgcgggtggc gctgctgctc ctgctcctgg tggccgcag 180
 ccggcgcgca gcaggagcgt ccgtggtcac tgaactgcgc tgccagtgt tgcagacact 240
 gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gacccactg 300
 cgcccaaacc gaagtcatac ccacactcaa gaatgggaag aaagcttgct tcaacccgc 360
 atcccccata gtccagaaaa tcacgaaaa gatactgaac aaggggagca ccaactgaca 420
 ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480
 cttaccagag ctgaaaatga aaaagagaac agcagctttt ctaggacag ctggaaaagg 540
 acttaattgt tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600
 aagcttggat tttaatat tacaatgctg gnnatttaaa g 641

<210> 2433
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (187)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (224)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (255)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (284)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1763

<222> (313)

<223> n equals a,t,g, or c

<400> 2433

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aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaagggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgtt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggc tcangttgtt gaaggggacc 240
caagtgcattg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctgggggctga 300
agacaatgct canaacg                                     317

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<210> 2434

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2434

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gctttattcc catcctgggt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttggg aaacaattgg cttcaacatg agaaagctcc tacagaagaa gggaaaaaag 120
agctgctggt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggaccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttggtacc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg ttctactgtg aatgcntgac 360
aataanatata tcccttgncc taaaacttta tatcanntta ttggatg 407

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<210> 2435

1764

<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1765

<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<400> 2435
gtcnccgtcc ccggtccgga atnccccgggt cgacccacgc gtccgatcca ccanttatct 60
ttnaaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctccttancc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaataag gctgtcaatg 180
gtgtaagaga aatgaggggt cctaaacact ttcttcctga gatgttaagc aaagtaatca 240
tcctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga 315

<210> 2436
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

1766

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2436
ggcgctctttt aatantggat cccccnggct gcatgaattc cgctcnanga ncactctttt 60
tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaag 120
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180
gttccaacta cagaangtct cnccnacttc tcagaaagcc ancaca 226

<210> 2437
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1767

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
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 <222> (357)
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<220>
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 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<400> 2437
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 gaaccagatg cccatgctca tgggcccacc cccccgctcc accaatttct ttggcttctt 120
 gagctaaggg ggacaccctt ggcttccaag ccagccttga acccacctcc ctgtccctgg 180
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtgt 240
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcanac 300
 acatacanac accccaaaac acntacattg gaaagtggct tcattgaata aaaggantgt 360
 gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420
 taangaagta nattctccca gaagcaaaga aaaattc 457

<210> 2438

1768

<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2438
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ggcctgcccg gagccttctg tggccatcct gccctgggc acaggggaatg accttggtcg 120
agtcctccgc tggggggcg gctacagcgg cgaggaccgg ttctccgtac tgctgtctgt 180
ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240
tggcagtgc gagaacgaca cggcanacgc agagccccc aagatcgtgc agatgagtaa 300
ctacttgtgg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360
ggaacctgc 369

<210> 2439
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

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<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

1770

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<400> 2439

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ccngatggct gaagaggggtg ngccggcgcc cctgcctcca gaggacgccc ctaacgcgcg 60
atccctggcg ccnacccttg ngteccccgn cctcgagccc tttaatctga cttcggagcc 120
ctcggacnac gcnetggacc tcagcacttt cctccagcaa naccgggacg ccttcnaacn 180
gggacncccc gaactcccca aaaagaaacc gaaaaacca caaagaaaac accaaggcng 240
taccggggg c 251

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<210> 2440

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2440

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gtggatgcac acctctgttc ataccaaagc tggctggcag tctactgctct ggagctaaag 60
gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
caagctacaa aacaatgcca gatgtgtgcc aagcttctaa tctgcttcct gcattgaggt 180
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatctg gaaaaaaaaa 240
atgtcttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
ggnaattttt ctttaacagg gttgaaccn attgaaaaaa ccancctcct ngtttaattt 360
naagaaa 367

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1771

<210> 2441
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
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<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1772

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2441
ggcagannaa agatggagat gagtttaata attcaattng ccagttatth cttgctttca 60
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120
accttcctag cataattaat gatgtcaaac ttgtatttga tcctgttgag ctcagngtgc 180
tcttctgcaa attcattnaa agcattcctg acaaccagnt ggttcngcan aaacttaact 240
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300
tgccactgct gacggaccan ct 322

<210> 2442
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

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ggttgcggtc aagatggcgc tggtagcttc tgtgcgagtc ccggcgcgcg ttctgctccg 60
cgcgggggcc cggctcccg gcgcggccct cgggcggacg gagcgggagg ccggcgggcg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgctgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttccgcgg tgnattctg 300
acctcggaac gccgggtgtg ntctcggncc gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
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<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1774

<400> 2443

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ggacacccca gcaaaagtac cagcgcctac tgcattgaggt ccaagagctg acaactgaag 60
ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctggctaa acagctggca gccctgaagc agcagctggg tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgaccccgga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgctgacag aactggagac 420
agctgtcgtt gtgatcagga tgctcagaat ccctttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc ttaaacttgc agttttggat 540
caantggang gttnggttcn                                     560
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<210> 2444

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 2444

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ccctcactaa nggaacaaaag nctggtgctc caccgcggtg gcgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agggaaaact agcttaaate tctcactcaa 120
cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaaccc atgatagtac tattacttga agcctgtgtt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtagge ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat atttgtagtt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattattt 540
atatctcttg tgtcttag                                     558
```

<210> 2445

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1775

<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2445
gctgctgccc tccgagtcac cgatggcgca ttggtggtgg tggactgcgt gtcaggcgtg 60
tgacagtgct gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggcccatgg gcaacatcat 180
gatcgatcct gtcctcggta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240
cctgaagcag tttgccgaga tgtatgtggn caagtctgnc gncaaggggg agggccantt 300
ggggcctgnc gagcgggcca agaaagta 328

<210> 2446
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

1776

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>

1777

<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2446
gctcatgttn tngatccana canagtgtgc cgacnacgcc atgaccntgg tnctaaanaa 60
agagcttggt gctcatttag aagtgcacca tcacgggtct gaccttntgg gaccccanct 120
gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnttactcc agctgtggca 180
tgcangtgtc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 2447
gcgnacgcgt gggcgcttcc tccgctgtct ccttgaggtt cttgcaagtc ggccaggatg 60
tctcaggctg agtttgagaa agctgcagag gaggttaggc accttaagac caagccatcg 120
gatgaggaga tgctgttcat ctatggccac tacaacaag caactgtggg cgacataaat 180
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240
ctgaaaggga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

```
aagaaaaaat acgggatatg agagactgga tttgggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgetca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggtg 540
ctttaaa 547
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<210> 2448

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

1779

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<400> 2448
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ttcaggaaat gctaaaattg ggcaccctgc ccccaacttc aaagccacag ctgttatgcc 120
agatgggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180
cttttaccct nttganttca cctttgtgtg ccncacggag atcattgctt tcagtgatag 240
ggcanaagaa ttttaagaaac tcaactgcc aagtattggt gcttctgtgg attctcactt 300
ctgtcatnta ncatgggtca atacacctaa naaacaanga ngactgggac ccatgaacat 360
t 361

<210> 2449
<211> 764
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1780

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (745)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (753)

<223> n equals a,t,g, or c

<400> 2449

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tntagtttng cgctgcccgt accggtccgg aattcccggg tgcacccacg cgtccgtaca 60
antntgggtng taaactgctt tgtgaataat aatcgtcaat gccagtgtac ttcagttggt 120
gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttgggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctgggtgtgt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcgagt gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaaac cttatgatag taaaagtttg cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tgttatcact 540
attgatctgg ttcaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat ttgaaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatggt 720
gatgaaaaag caccttgatt ctcantgcag ggnctaaaaa gctg 764

```

<210> 2450

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

1781

<223> n equals a,t,g, or c

<220> ,

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<400> 2450

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ggttttcagg aacttanttt anggtgacac gtagtagaag gtacgcctgc aggtaccggg 60
tccggaattc ccgggtacct gatctacctg aaatttaagg caacctacga tggaaatcat 120
gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt tttagttaat 180
cacgatttct ctctctttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccaccac 300
tacctgttct tcttgggect ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttctttga cctcattgct gtggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctgagtttgn 480
cagcata                                         487
```

<210> 2451

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

1782

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

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<220>

<221> misc feature

<222> (142)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

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<222> (223)

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<220>

<221> misc feature

<222> (226)

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<220>

<221> misc feature

<222> (250)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1783

<220>
 <221> misc feature
 <222> (297)
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<220>
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 <222> (348)
 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
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 <222> (361)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
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<400> 2451
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 ggccccctcc tgtggagcan gtcacactgc angacttgag tcagctcatc atccgaaact 120
 gcnctctntt tgacattcac ancatccacg tgtgtctgca ccttgnagtc ttacttggt 180
 ttccatctga tggccccctg gtgtgtgccc tgnaacanga acnaangctc cgctccctc 240
 cgaaagccan ctccccctt gcaaccctt ctccnaaaag caatggcana agaactnaat 300
 cccacgtga tgggtgctccc tggcccataa ctggcccgga accggttnng ggaacccan 360
 ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (429)
 <223> n equals a,t,g, or c

<220>

1784

<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2452
gcacgcagcc cacgggtctgt actgacgcgc cctcgtttct tcctctttct cgactccatc 60
ttcgcggttag ctgggaccgc cgttcagtcg ccaatatgca gctctttgtc cgcgcccagg 120
agctacacac cttcgagggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180
cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240
aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300
gccgcgatgct tggagggtaaa gtccatggtt ccctggccccg tgctggaaaa gtgagaggtc 360
agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420
ggatgcagna caaccggngc tttgtcnacg ntgngccacc tttggcaaga agaa 474

<210> 2453
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1785

<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
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<222> (418)
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<220>
<221> misc feature
<222> (436)
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<220>
<221> misc feature
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<220>
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<222> (519)
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<220>
<221> misc feature
<222> (529)
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<220>
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<222> (547)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (602)

1786

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 2453

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aagaatagcc atatggggct ggtcctatgg aggatacgtt tcatcactgg cccttgcatc 120
tggaactggc cttttcaaag gtggtatagc agtgggtcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaataatttc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctgggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttta 600
ancaaccaat taatggtgtt naaaggntgt                                     630

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<210> 2454

<211> 251

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

1787

<221> misc feature
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<220>
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<222> (23)
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<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
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gcacgnagng gnntgccggt gggaggattt ggaccgttga acatnatcca cgттаатggg 180
gacgaanggg gaaagggttc cacctttgcc ttttnaaggaa tttttttccc caaaaanttg 240
ggcttaanga c 251

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1789

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acttcttgcc ttenttntgg ctgcgacaaa aaccatagat tgctcttctg tnaggttttg 180
aattactgat cgcacttnat cgtnttgcac cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaaactt gcncaccat gaaggaatac cgattcccn ccattggtaca 360
tattccaggc ccgttatctc gggctttaaa agcaaaaatt tccancccaa ataacaacag 420
ttcttggttc tccccggaag ttccaggact gaaccncnc cgaaaanaac anttgggaacc 480
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acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgctg 180
gtggtccttg ggcttccctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anattcctgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttaa ggttaaattng gcnaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac                                     375

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<211> 287

<212> DNA

<213> Homo sapiens

1793

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<400> 2457

1794

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ctctgcctcc tctccgacca cgtggacaag aggatcctgg atgctgcang ggccaatctc 120
aaagtcatca gcaccatgtn tnggggcatn gaccacttgg ctttggatga aatcaagaag 180
cgtgggatcc gagttggcta caccacagat gtcctgacag atacnaccgt cgaactcgca 240
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<211> 105

<212> DNA

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<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

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ccgtggccac tgaaactncg ctgccagtgc ttgcagacct tgcagggaat tcacccaag 180
aacatccaaa gtgtgaacnt aaagtcccc ggacccact gcgcccac cgaagtcata 240

1799

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gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360
aaggttnaat ggtgggtgtt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt tttggctaen nngnttnnag 480
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<210> 2460

<211> 104

<212> DNA

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<210> 2461

<211> 393

<212> DNA

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<220>
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 tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180
 ntcttcacat tgcctctaca taccaggtct tcagctgcat tctaggaaac atcatatact 240
 attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300
 ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360
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<210> 2462
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1801

<213> Homo sapiens

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aagggcaaag ctgcctgag ccctcgaagt gtgggcgtca tctccccgta ccgaaacag 120
gtggagaaaa tccgttactg catcaccaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaaggtggt tcagtagaag aattcaaggc aagangaagc gtatctattt 240
cacggcgaac ancagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aacnntttct ggcataacct ntgaagatct 360
ga 362

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1802

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<400> 2463

1803

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tgccagtgga gatgggcgctc actactgcta ccctcatttc acctgcgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcgatgc accttcgtca 240
gtacgagctg ctctnagaag ggaacccccca aatttaatta aagccttnag cacaattaat 300
taaaagtga acgtaattgt ncaancagtt aatcacccac catagggcat gattaacaaa 360
gcaacctttc ctttccccga atgattttgc gaaaccccct tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480
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<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

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1804

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1805

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<400> 2464

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ggttcccggg cncccaacgg ccggtttttn tnttcntgga agggggaaag ggngtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatggtct ttnatctttt gaagtgggat ctacaatggg ntnagcaag 240
tggtggctcn agttcctagg acttgtagaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antnttntta acatgctcaa aggatgacag attggccaac 360
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<210> 2465

<211> 109

<212> DNA

<213> Homo sapiens

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<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2465

```
gctcagcagg gagccccatg cccttccagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacggagcc tcccanagca caactacngt antncttcg 109
```

1806

<210> 2466
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>

1807

<221> misc feature
 <222> (387)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (388)
 <223> n equals a,t,g, or c

<400> 2466
 ccacgcgtcc ggacaagnct gtgaaggatc tggtcacatt gctctatgaa actgcgctcc 60
 tgtcttcttg cttcagtcctg gaagatnccc agacacatgc taacaggatc tacaggatga 120
 tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180
 taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240
 actaanctct ggctgaggga tgacttacct gttcagtact ctacaattct ctgatagtat 300
 atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360
 actttaaagg gaaagattng attctgnnta cta 393

<210> 2467
 <211> 256
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (206)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (246)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

```
ccgtgagggn aagcgtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccaggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
accgcgactc ttccgtcaat ttgcnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaacnttttn tgccaa                                     256
```

<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

<400> 2468
gggagccggc gccgggagtg agccataact ggtggctgct cttgcgccaa tgagcctccc 60
caattcctcc tgcctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgcccctgg tgggtggctct gagcactatc tgcttgggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcggaag ctccacactg tggggaacct 240
gtacatcgtc agcntttcgg tggcggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catectctac ctgctcatgt ccaagtggtn antgggccgt cctttntgcc tcttttggt 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgctaccgc tctgtccaca accntcagg taccttangt nttgtaccaa aaccngag 478

<210> 2469
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)

1810

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<400> 2469

```
gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgaggggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcata aaaagactta aaggtaaagc 180
gtattacccc tcgtcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttccag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttcctgcact 540
cttctaagnn ggtattncac acattcncaa aatt                                     574
```

<210> 2470

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1811

<222> (384)

<223> n equals a,t,g, or c

<400> 2470

```
gcttgtcggg aggagcataa gaagaagcac ccagatgctt cagtcaactt ctcagagttt 60
tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttcctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
```

<210> 2471

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

1812

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (424)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

1813

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (450)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (476)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<400> 2471
 ggcacgaggn aggaactgat tcgtcctgag agaaacacat tggttgtgag ttttgtggac 60
 ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120
 ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180
 taaaaaaaaga ntcataagaga aagtnnttca tcgactcaca cactatgac atgttctaata 240
 tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgaagagc tatgaagaag 300
 atccctactt ggtagttaaa ccctaactac ttggtctggag gattgnagat aagtggaaan 360
 taatggacca gagctganga acngtgggca cncacntent ggncngggag cngggnggga 420
 gctnggnnag ggacaaaagtg ttccgggan tgnnggcttc caggatttgt tttccngaac 480
 caagaattga gttgaaggct ccaagtgtca catnntcac aggtttcata ccaacacagg 540
 cttcagcaat 550

<210> 2472
 <211> 440
 <212> DNA
 <213> Homo sapiens

1814

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

1815

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (340)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2472
ggttctccaa cagcttcagg ttcattcagta agtcctgggtt tatacagtaa aaccatgacc 60
cctatatatg accccatcaa tggaacacca gcatcatcca ccatgacttg gttcagtgac 120
agccctttga cggaacanaa ctgcagcatc ctgcattca gccaaacccc ccagtcccca 180
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240
ggttggttag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

1816

```

ctnttacgat ttaaatntta ttgtttcttn gacttgaatn ctaaataatga tgctgtccna 360
ataaaccaac tctatgagnn agccaggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatgttagan                                     440

```

```

<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

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```

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

```

```

<400> 2473
aaggngancg ncnancctca ctaaagggaa caaaagctgg agctccaccg cgggtggcggc 60
cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
ccccacccc tgtgtccaag tggccgcact ccagacctga aggctctact caacgtgggtg 240
gacaatgccc ggagtttcat ctacgtcgct gtcatgaact acctgcccac tctggagttc 300
tcccacctac gagcgtggcg tcaaggtgcg cctgctcatc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct                                     387

```

```

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (195)

```

1817

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 2474

```

aattcggcac gagcacagct catgttttcc agcctgtgtg ggagcttggc ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttggatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

```

<210> 2475

<211> 496

<212> DNA

<213> Homo sapiens

<400> 2475

```

gggagcaggt ggcgggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcatcagat aggacctgga atgggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

```

<210> 2476

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

1818

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 2476
catctgaaaa agaattganc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60
ttgaatttca tcgnatgatc tgggcagacc tcagctgcct ggtttaccga gctgataccc 120
agncatacca gcctttatna acaaagnctg ggtnaaaga gaagttctac gtgctccttc 180
gtgggcang 189

<210> 2477
<211> 531
<212> DNA
<213> Homo sapiens

1819

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 2477
tgaatncccg ggtcgacceca cncgtccgcc caacacaggc atgctcataa ggaaagggtta 60
aaaaaagtaa aaggaactcg gcaaattctta ccccgccgtgt ttaccaaaaa catcacctct 120
agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180
cctaaccgtg caaaggtagc ataatcactt gttccttaag tagggacctg tatgaatggc 240
tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc ccgtgaagan 300
gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360
tacctaacaa acccacaggt cctaaactac caaacctgca ttaaaaattt cggttggggc 420
gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480
aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478
<211> 409
<212> DNA
<213> Homo sapiens

1820

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<400> 2478
gggaaanntc tgcgccatga gagccaagtg gaggaagaag cgaatgcgca ggctgaagcg 60
caaaagaaga aagatgaggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120
ccacaggagc agaaacatgg aatgccagac gctggggatg ctggtacaag ttgtgggact 180
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcacgccc tctgatcgcc 240
gatcacctct gagaccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300
gacctgtgac attctggact atttctgtgt ttatttgtgg cagagtgtaa caaccatata 360
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1821

<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
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ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcggaaac 180
gttnactgtt tgaagggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300
ctttccctgg cagatccgta accggcagcc tgaccagcc atttttctcg nttttttcgn 360
acggtttggc tttgccggac agcatttnna cggggatttc gccgggtttt tggtggggaa 420

1822

aanaaggatt tcatggntng taacccgcaa ttttngccgn ggttttattg ttgggtggaa 480
taaccatggg tgggtgg 497

<210> 2480

<211> 171

<212> DNA

<213> Homo sapiens

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<222> (71)

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<220>

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<220>

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<222> (147)

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<222> (157)

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<220>

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<222> (171)

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<400> 2480

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tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

1823

gngcagtgge tgcggcctgc agaggangac cacctgnagg attccctgga n

171

<210> 2481

<211> 448

<212> DNA

<213> Homo sapiens

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<222> (405)

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<222> (431)

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<400> 2481

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ctcattttatt gaaaacatta tttctcacct ttctcaaatt gaagactgca aaaaataaaa 120
gcagtgccttt attgagttgt catgagcctc gggcggggagc agcagcactg cctctccacg 180
ctccgggaaa cgcagctgg cgtgtgccac atcggtccca cctcgcttta caaaacagtc 240
ctgaagctta atcaaataaa attattgtac acaacattta cattagaaaa aganagctgg 300
gtgtaggaaa gccgggcctg gtgttcctt taagcgaagg tggntccaca gttggggcat 360
cgtcgcttcc tcaaggcaaa acagcaaatg aacccaaagg ggaanaggat gatggccang 420
aagatnccca ngaaggtgaa gcantcct 448

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1824

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<213> Homo sapiens

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1825

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<220>

1826

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<220>
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<222> (369)
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taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtcc cataaggaag 120
ctatgggtctc tcttgaaatt caaatgtgaa tggaaatctc ctaatgcac tgatnaacat 180
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360
aactccaanc 370

<210> 2483
<211> 383
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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1827

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<400> 2483

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cagaagatcg gcctccagaa ctctgttta ttcattggagg acacactgct aagatttcag 120
atttttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaattggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc ccaaaaggc aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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<210> 2484

<211> 583

<212> DNA

<213> Homo sapiens

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<222> (6)

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1828

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<220>

1829

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acgcctgcag gtaccggtcc ggaattcccg ggctgaccca cgcgtccgcc cagctgggat 120
ctnagggtct ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180
cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtcgc gagtagaggt 240
gaaaaagccc ggngagtctc tgaggatctc tgtaagggtt ctggatacag ctttaccagc 300
tactggatca agtgggtgcg ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360
gatcctagng actcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420
gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480
catgnattac tnggccagac atgaagccag aggcttggac tactttgact actggggcca 540
ngnaaccctg gtaccgcttc ttagcttcan caagggccat cgg 583

<210> 2485
<211> 243
<212> DNA
<213> Homo sapiens

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1830

<220>
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<222> (206)
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<220>
<221> misc feature
<222> (228)
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<222> (238)
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<220>
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<222> (239)
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ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180
cgagaaacac aaagtctacg cctgcnaagt cacccatcag ggcctganct cccccgtnnc 240
aaa 243

<210> 2486
<211> 396
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
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1831

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<222> (378)
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<220>
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<222> (382)
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gatccagtgg gaattattgtg atgactcagt ctccagtcct cctatacgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttgattg gtacctgcag aagccagggc agtctccaca gctcctgac tatttggggtt 240
ctaadcgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300
cactgaaaat caccagagtg gangctgang atgttggggg ttattattac tggatgcaag 360
cntacaaat tcattcantt tnggccttg accaaa 396

<210> 2487
<211> 407
<212> DNA
<213> Homo sapiens

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<220>

1832

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<220>
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<220>
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 ggccattttt atgctgactc agccccactc tgtgtcggag tctccgggga agacggtaac 120
 catctcctgc acccgcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180
 agcgcgccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240
 gtccctgata ggttctcttg cttacatcga cagctcctnc aactctgect tccttaccat 300
 tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360
 caatgttggg tatttcggcg ganggaccaa aacctnaacc ttctaag 407

<210> 2488
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 <212> DNA
 <213> Homo sapiens

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<220>
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1833

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<220>

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<400> 2488

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ccaggggaaa nagccaccct ntctgctgg gccagtcana gtgtttacag cagctactta 180
gcctggtacc agcagaaacc tggncagnt cccaggnncc tcacttatgg tgcattccagc 240
aggg                                     244
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<210> 2489

<211> 370

1834

<212> DNA
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<220>
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1835

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<222> (357)

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<220>

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<222> (361)

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<400> 2489

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ccgagggcca gatgtgacgt ncagatgacc catctcattc ttctgctgca tctgtaggag 120
acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaat atggaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gcccatangg tcagtgcagt gatctgggac agacttcact ctcacatanc agtctgcacc 300
tgagatttga nctactactg caacagagta cagaggcnact cacgtttagca tggaacnatg 360
nagattaaca                                     370

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<210> 2490

<211> 473

<212> DNA

<213> Homo sapiens

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<220>

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<222> (65)

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1836

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<220>

1837

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<222> (452)
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<220>
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tcctnactca gggcacagga tcctggggctc agtctgccct gactcaacct cgctcagtgt 120
ccggntctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatggttg 180
tggttataac tttgtntcct ggtaccaaca ggaccaggc aaagncccca aactnatgat 240
ttatgaatgt ncacttaagc gggccctcag gggtccctga atcgntttct ttgggntcca 300
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggtnn aggatgacgg 360
tggattatta actggttggg tcatatttca ggnnggcttac aatagnttat gtttttcggg 420
aattggggac caaggttcaa cgtcctgnng tnaagcccccag ggncaaacc att 473

<210> 2491
<211> 510
<212> DNA
<213> Homo sapiens

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<222> (54)
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<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1838

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 cccaaccctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300
 ttttggttc caagtttggn aaaaaggggn ctccctnga ncatttttggt ggttccncc 360
 ctggggggggg tttttntttt tttnntnnngn gctnttttggt aaaggncccc actntntttt 420
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1842

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 cagtagatat gctgtcacct ggggtgcgaca ggcccttgga caaggccttg agtgggtggg 240
 aggcatacact cctgtctatg gtacgacaca ctatgcagat aatttgcgcg gccgggtcac 300
 cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360
 agacacggcc atgtatttct gtgcgagggt tcacaactcc tatgacagtt cggctctcaa 420
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 tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180
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1843

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249

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caatgtgagg tgcggctggg ggagtcctgg ggaggcttgg ttcagccagg gcggtccctg 180
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acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaa atgaacagcctg aagaccgagg acacagcccg tgtattattg 420
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aaggggtttt aacagggggg gnttttttagg ggggnngggtt nccccccctt nttctnnntt 420
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1847

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 gtgacgattt cccttttagc ttcggccaag ggacacgact ggagatgaaa cgaactgtgg 240
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 cacctacagc ctcagcagca ccctgacgct gagcaaagca nactacnaga aacacaaagt 480
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ggtattcggc ggagggacca aactgaccgt ctaggtcaa gcccaaggct tgccccctcg 420
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tactagtant gccaggagt gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
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ggttataaacc gtgtctcctg gtaccagcag tccccaggca cagcccccaa actcatgatt 240
tatgaggtca gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360

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1855

ctgncctgctc gnatcaaagn aagtaagttt tttttcctat tt

402

<210> 2502

<211> 349

<212> DNA

<213> Homo sapiens

<220>

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<222> (8)

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<220>

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<222> (41)

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<222> (92)

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<222> (240)

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<220>

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<222> (246)

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<220>

<221> misc feature

<222> (268)

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1856

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<220>
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 <222> (291)
 <223> n equals a,t,g, or c

<220>
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 <222> (303)
 <223> n equals a,t,g, or c

<220>
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<400> 2502
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 aagattttcta atcggggaact ctggcgtccc anacagattc ancggcagtg gggtcaggca 120
 ctgatttgca cactgaaaaat cagcaggggtg gaggctgagg atgttggcat ttattaactg 180
 catgcaaagg ttcacactgg cctcgggaacg ttcggccaag ggnaccaagg tgggaaatcn 240
 aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300
 tgnaaatctg gaactgcctc tggtgtgtgc cctgctgnat aactttcta 349

<210> 2503
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (9)
 <223> n equals a,t,g, or c

<220>
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 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1857

<222> (117)
<223> n equals a,t,g, or c

<220>
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<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<400> 2503
ngaaaaaang ggggattctc cctcacttna agggaacaaa cagctggcag ctccaccgcg 60
gtggcggcgcg ctctacaact actggatccc ccgggctgca ggaatactgc accacntaa 120
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504
<211> 140
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (37)

1858

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

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<220>

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<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<400> 2504

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ncgattgcnc cttttctaaa aggggaaccaa agctgnncct ccaccgaggt ggcggacntt 60
ctagaactag tggatccccc gggctgcagg aattcggcac gantccatc tcaaaaaaaaa 120
aaaaaaaaaa aaancccaaa                                     140
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<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

1859

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
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<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
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<400> 2505
ngtttttttcg aattaacccc ctncntgga ataaaactgg agtccaccg cngtggcggn 60
cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506
<211> 104
<212> DNA
<213> Homo sapiens

<220>
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<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

<400> 2506

1860

ccctctcttaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60
gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507
<211> 134
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<400> 2507
attacgttna gctggcncaa ttaancctca ataattggga acaaggcnct ggagctccac 60
cgcggtggcg gncgctctag aactagtgga tccccgggc tgcaggaatt cggcacgagn 120

1861

ncnagtcctat gacc

134

<210> 2508

<211> 124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

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<220>

<221> misc feature

<222> (56)

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<220>

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<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<400> 2508

gccaatiaan cctcaatant tgggaacaan anctggagct ccaccgcggt ggcggncgct 60

ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120

at

124

<210> 2509

<211> 562

<212> DNA

<213> Homo sapiens

1862

<220>
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<220>
 <221> misc feature
 <222> (14)
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<220>
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 <222> (25)
 <223> n equals a,t,g, or c

<400> 2509
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 gatcccccg gctgcaggaa ttccggcagca gaccccatat agaaaccacc taccctcggg 120
 gaggttaaat tacctggtaa tgcgcagct gactgctac ctgtgtattt tctgttttaa 180
 tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240
 agtcaagatt ccactaaaat ggtttgattt cgttgtaa atgtctcgtat tgcctaatagc 300
 attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360
 attatttagt ttacagggtg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420
 aagagtacta taaaaagctg attgctcacc ttgagtgtca agaccagtt ccgggtactt 480
 tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540
 tccttttaaaa ggaaatggct ga 562

<210> 2510
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (417)
 <223> n equals a,t,g, or c

<400> 2510
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 tccccggggc tgcaggaatt cggcagcagc ccatcctttg ctctaggat tttacatgtt 120

1863

gcctgcaaag ggagtcaaac ttagggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcattggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2511

aacccgcacc aanggaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgaggttaat tagaataaag tcattttctn 120
caaaaaaaaa aaaaaaaaaa aaagaaaaa 149

<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

1864

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

1865

<400> 2512
nnangacctt tcttngantt aacnccccctc ccttggaata aaactggagc tccaccgccg 60
tggcgggcgct ctaaaactag tggatccccg gggctgcagg aattcgggac gagttcatgg 120
agaggcnant gctnggttcn cctgtgang 149

<210> 2513
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2513

1866

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gttnaggagac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctgttgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccacacccc tcaatctgtc 300
ggggagcccc tgcccttcac ctatgtccct tggccaggag cgagcgaagc tgnngccttg 360
gtgaagctgc cctcctcttc tccccacaca ctacagccct ggtgggggag aagggggtgg 420
gtgctgcttg nggttagtct tttntntntt ntttaattca a 461

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<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

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gctcgtcttc ctgccccacc ccgaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tctgtctgct ggccgcctat gcggggccgg cccagagcct gggctccttc 120
gtgcactgcg agccctgcga cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgctgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg cacggnccgc gggtttgnct caacnaaaag 360
agctaccg

```

<210> 2515

<211> 695

<212> DNA

1867

<213> Homo sapiens

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

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<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<400> 2515

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gtgctgagaa tattcctgag aatccctga agtatctgta tccaaatatt gacaaagacc 60
atgcctttgg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatttttttc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atctttctct aactcagaaa catcagttac tctgaagggc atcatgcatc ttactgaagg 420
taaaattgaa aggcattctc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480

```

1868

```
ccaaagtatc aggacgagaa tgaggggtcct ttgggaaagg agaanttaag caacatctag 540
caaattgttat gcataaagtc agtgcccaac tgntataggt tgttggataa atcaagtggg 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tggtagggag aattcttaca 660
tgtnttcttt ngctttaagg gaactgggcn agttt 695
```

<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

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gcactccact ccttgtgctg cgctaggccc cccgtcccgg tcatggccat gctcaggggc 60
cagccccgagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctatatt cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294
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<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

1869

<220>
 <221> misc feature
 <222> (364)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (382)
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<220>
 <221> misc feature
 <222> (404)
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<220>
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 <222> (429)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c.

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<400> 2517
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 tccgcatccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120
 ttcactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgagggtggct 180
 gtgctggggg cccccccag caccatcctt ccaaggteca ccgtgatcaa catccacagc 240
 gagacctccg tgcccgaacca tgctgtctgg tccctgttca acaccctctt cttgaactgg 300
 ngctgtctgg gcttcatagc attcgcttac tccgtgaagt ctagggacag gaagatgggt 360
 ggcngacgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtatttctg 480
 cttntgtgac agtctaccat tattttat 507

1870

<210> 2518
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
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<222> (125)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1871

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (495)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (552)
 <223> n equals a,t,g, or c

<400> 2518
 gctngctatg ggcctagagt agcttaccta aatgctacta acctncctcc ataccattat 60
 tgtaaagatt aaaggtgatg catctgttaa gtaactaata gaggcttat taaaaggat 120
 gtgtncata agtattaatt ccccttctnt ctttttctta ctagtgact tgggtgttta 180
 atggatcata ctttacccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240
 aaacccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300
 atganaattt cnaaaccaca ttttgaaaaa ttatttccat cccagtgcga cttgtgttta 360
 cttcttaaca atcattttct aacttgaaaag ctggcattcc atgtcttcat ttttgggctg 420
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480
 gaaaaaaatt ggaanancct attccatcta tgccttttga tgctacttta tattccggaa 540
 anttaanttt cncctcattt tccaa 565

1872

<210> 2519
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

1873

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2519
gcacatagct agtcagtgac agactagtat ctggggtcact ggactcctta ctcaaaatct 60
actatttaat cagtcctgtca gattaaccca cctggcatat gtacctggtg tgtgtgtaaa 120
gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180
tattaatttc atcttattaa atctttgaag tadcagacca tgagaangca tgaanaaaacc 240
tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300
ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnt tttgcaaaat 360
ctctcantna aggaatttat tggctnaaaa ctcttgtaac tgccacaant gcgggccccn 420
ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480
ggtcctctct cggaatttca naaaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540
aaa 543

1874

<210> 2520
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

1875

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2520
 gcgatgcgct gtatgccggt atggaacggg cagacgctga cgttcgtgca ggaccgaccg 60
 tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120
 ttccgctaca gcttcagcgc cctgaaggac cgccataatg ccctttnagg tgaactggat 180
 tgacccgaac aacggctggg aaacggcgac agancttggt gaaagatacg cangccattg 240
 cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300
 gggggggccc gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 2521
 gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60
 acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120
 tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180
 attacaattt gaacctctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240
 atccagaccc aaatttcattg tttacagtgg aatcctttt ttgatggtgc aaatactggc 300
 aatcacctc aaaacgttgc aataccacc 329

<210> 2522
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (336)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2522
 ctttaatctc atttccccct ccatttccag gtactgcaaa aagcctttga cttcaaactg 60
 cacaattcag atagcaaacac ctgggaaagg caagaagtca acacaaaaac ccatccctat 120
 tctagctgct ggttttttgc cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180
 tcagcctact attgagcgag tggtagctta gctgctactc tggagtaaag caatatagca 240

1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggc tttaagataa 300
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)

1877

<223> n equals a,t,g, or c

<400> 2523

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gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgtc ttcctaattgc tacctttgtt ggtcctttct tccttaagtg 240
ccaagtgctg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaaggggc agggaaaggg aaaatttttna ccaacngaag cngnctctta tanaa      415

```

<210> 2524

<211> 241

<212> DNA

<213> Homo sapiens

<400> 2524

```

gatggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgtttaca gtcagtcct tttgtttaca 180
gcgagtttgc cagggagaga aaccttcacg tttcattact tgacccgact ctatgagcat 240
t                                                                    241

```

<210> 2525

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

1878

<223> n equals a,t,g, or c

<400> 2525

```

gctcggatca ggattttaaac cggatgagga gtgaattgct ggtgcctggg tcacagctta 60
tttttaggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactccca aagggtctggg 180
gcatggcttt ctggattcca tttatttata gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag tacaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcac tcnaatggg aagganagtg acctagnaa gatctgaagn nccttg 536

```

<210> 2526

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2526

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cgcgacgntg ggcgggtccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttggg atagttaaata gactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttggg tttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaagggtt tgagttcaca ctgatggtgg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgncagt ggtagatacc cctggctatg 480
ggtgacg

```

487

<210> 2527

<211> 410

1879

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<400> 2527
ttanccctca ctaaaggggn caaaagctgg ggctccaccg cggtgacgac cgctctagaa 60
ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctggtg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctccctgcac 300
tctcaatctt gaggaaactc tgagtacatt ggaatatgct catagagcaa agaacadatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410

<210> 2528
<211> 100
<212> DNA
<213> Homo sapiens

1880

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2528
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcctacctcn ctgtacctta 60
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>

1881

<221> misc feature
 <222> (342)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (446)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<400> 2529
 gccgnacgac tggtacagag gtctccagag ccttctctct cctgtgcaaa atggcaactc 60
 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120
 tcaactgtagt ggggtgttga caagttggta tggcgtgtgc taccagcatt ctgggaaagt 180
 ctctggctga tgaacttgct ctgtgtgatg ttttgggaaga taagcttaaa ggagaaatga 240
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300
 attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360
 gggagagtcg gctcaatctg gtgcagagaa atgttaatgt cttcaaattc attattcctc 420
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480
 tttc 484

<210> 2530
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2)
 <223> n equals a,t,g, or c

<220>

1882

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1883

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c .

1885

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (576)
 <223> n equals a,t,g, or c

<400> 2530
 tnttagngcc cgcagncncc ggtccggaat tcccgggtcg acccacgcgt ccgactagtt 60
 ctagttcgcg agcggccgct ctagaggatn caaggttacg tacgcaacca tgccagncna 120
 angctntttt antggggcnn cnaaantnaa nttannnggc cgcngtttnn caacgtcgtg 180
 actgggaaaa ccctggcggt acccaactta atcgccctgc agnacatccc cctttcgcca 240
 gctggcgtaa tagcgaagag gcccgcccg atcgcccttc ccaacagttg cgcagcctga 300
 atggcgaaatg ggacgcgccc tgtagcggcg cattaagcgc ggnggggtgtg gtggttacgc 360
 gcagcgtgac cgctacactt gccagcgccc tagcgccgcg tcctttcgct ntcttccctt 420
 cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctnccttttag 480
 gggtccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatggnt 540
 cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (44)
 <223> n equals a,t,g, or c

<400> 2531
 ccctcactaa nggancaaaa gctgggtgctc caccgcgggtg gcgnccgctc tagaactagt 60
 ggatcccccg ggctgcagga attcggcacg agaatgtcag gtaattgtta gccaaccaat 120

1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtggtgggtt ttctcatgga gtgagctgtt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

```

```

<210> 2532
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

```

```

<400> 2532
gccttctctn aatgaggctc cctgctcagc tcttgngct gctaagctc tgggtctctg 60
gatccagtgg gaatattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttgattg gtacctgcag aagccagggc agtctncaca gctcctgac tatttgggtt 240
ctaactgggc cttcnngggn tccttgacag gnttt
                                                    275

```

1887

<210> 2533
<211> 498
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (471)
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<220>
<221> misc feature
<222> (474)
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<400> 2533
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tcccgggtcg acccagcgt ccgntctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

1888

```

tgtcaatcgc atctcagaaa ccagtcttcc accggatatg tatgaatgtc tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgtc agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420
taaaatctga gggaaatgtt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480
ggccgctcta gaggatct                                     498

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<210> 2534

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<213> Homo sapiens

<220>

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<222> (360)

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<220>

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<222> (368)

<223> n equals a,t,g, or c

<220>

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<222> (371)

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<220>

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<400> 2534

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tggccctgac ccagacctgg gcgggctccc actccatgag gtatttcacc acatccgtgt 120
cccggccccg ccgcggggag ccccgcttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcggtt cgacagcgac gccgngagcc agaggatgga gccgcgggcg ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnacg tgggggttcgg acgggcgctt cctncgcggg 420
taccaacat                                     429

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1889

<210> 2535

<211> 565

<212> DNA

<213> Homo sapiens

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<222> (263)

<223> n equals a,t,g, or c

<220>

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<222> (293)

<223> n equals a,t,g, or c

<220>

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<222> (383)

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<222> (538)

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<400> 2535

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cagttagcaa aggaattctt cagtatgata tgtggaatgt tactcctaca gacctatggg 120
actggaaggt tctcaaggag aagattgcaa agtatgggtat aagaaacagt ttacttattg 180
ccccgatgcc tacagcttcc actgctcaga tcctgggggaa taatgagtcc attgaacctt 240
acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
acttattgaa agatcttacc gagcggggcc tatggcatga agagatgaaa aaccagatta 360
ttgcatgcaa tggctctatt canagcatac cataaattcc tgatgacctg aagcaacttt 420
ataaaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagagggtg 480
ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540
tggggggggcc cccaaaaaaa acccc                                     565

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1890

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<213> Homo sapiens

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<220>
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<222> (185)
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agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180
tctan 185

<210> 2537
<211> 575
<212> DNA
<213> Homo sapiens

1891

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<220>
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<220>
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1892

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<223> n equals a,t,g, or c

<220>
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acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180
tttttatacct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240
tgcctngaac tgacttggnat taccaatggg tgccaaaaat gnataaagng caaattgaaa 300
aacacaggag actacatcta tatcagtgac acattttctt tcctttctta cagggttttg 360
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420
aggtgtgcca agggacttna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480
gggtcaatta cctttgggtcg gaacngngca ccactgacat natgggtcgg ntggactctg 540
gaaagangaa aatgggtggac atgtttgggc ataaa 575

<210> 2538
<211> 628
<212> DNA
<213> Homo sapiens

<220>
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<222> (19)
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<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
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1893

<220>
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 ggtcaaagga ggcaccaagt gcatcaaata cctgctgttc ggatttaact tcattctctg 180
 gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240
 gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300
 tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360
 gcaggagtcc cagtgcattg tgggactggt ctccggcttc ctcttggtga tattcgccat 420
 tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480
 ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540
 gctgaaagcc atccactatg cgttgaactg ctgnnggntn ggctgggggg cgtgggaaaca 600
 agnttatctc aagaaaatnt ggccccaa 628

<210> 2539
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> misc feature

1894

<222> (21)
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<220>
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1895

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<220>

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<222> (449)

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<400> 2539

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ccggtgggct cctgggagat gctttcctgc acctnattcc tcatgctctt gaacctcatt 120
ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgnnggnt ctcagnngaa ttgntgcctt tnttgacgtg gagaaatttg 240
ngagacatgt gaaaggagga catggtcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgttctac canggagaag cngatctcag 360
aggaagaaga ttaggaaacn agaagggttc aaaaaaanng aagaaggaac acagtacca 420
agatggccca ngagaactca gaacgctgna aa 452

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1896

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<212> DNA
<213> Homo sapiens

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<222> (5)
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<222> (548)
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acgttgagg aaagaaggaa tatctcattg caggaaaggc cgagggggac ggcaagatgc 120
acatcacct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180
gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240
cgtgctacat ctctctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300
tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgcggc tcctgtgcgt 360
ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420
gccttcaacg ccctgtggc caactgcaaa aaaagccttc aagggtttcg actgggtccag 480
ctctgacatc cttcttggga aacagcatga ataaaacact catcccatgg gttccaaatt 540

1897

aaanaatnnn n

551

<210> 2541

<211> 669

<212> DNA

<213> Homo sapiens

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<222> (406)

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<222> (441)

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<220>

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<222> (533)

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<222> (608)

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1898

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tggaagccat caagaagaag atgcagatgc tgaagctcga caaggagaac gccttggatc 120
gagctgagca ggcggaggcc gacaagaagg cggcggaaga caggagcaag cagctggaag 180
atgagctggt gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240
ctgaggctct caaagatgcc caggagaagc tggagctggc agagaaaaag gccaccgatg 300
ctgaagccga cgtagcttct ctgaacagac gcatccagct ggttgaagaa gaagtttggg 360
tcgtgcccga gaancgttct ggcaacagct ttgcagaaac ttggangaag cttgagaagg 420
cagcagatga gagtgagaga ngcatgaaag tcattgagaa gtcgagcca aaaagatgaa 480
gaaaaaatgg aaattcagga gatccaactg aaagaagcaa agccattggt aanatccgac 540
cggaatntna anagggggcc gtaactggca ttattgaaag gactggaact gcaaaagacg 600
gctgactnta aaagnaattg ccnacttgaa aaaattgaaa ctgggcnaaa ctgancctgg 660
agtttaggtt 669

<210> 2542
<211> 310
<212> DNA
<213> Homo sapiens

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<222> (93)
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<222> (198)
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<220>

1899

<221> misc feature
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<223> n equals a,t,g, or c

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gagccccacgt cgcctgtcac ccaatatctc canccgcgca gtcccgaata gtgtaagatg 120
ttcgcctgcg ccaagctcgc ctgcaccccc tctctgatcc gagctggatc catagttgca 180
tacagaccaa tttctgcntc agtgtttata tgcaccagaa gctaataanga ctggaaaagg 240
ctcttncggt atttaatggg gcccaaatgg ttttttcttc aanttatccc caagggattt 300
tccaaancna 310

<210> 2543
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<212> DNA
<213> Homo sapiens

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<222> (518)
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1900

<220>

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<222> (534)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (541)

<223> n equals a,t,g, or c

<400> 2543

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aacactatgt taattgcctg gatctggtaa acaagaggct accttatggc cttgctcaga 120
ttggagtgtg ttttcatacct gtttttgaca ctaagcagat acgaaatggg gttaaaagta 180
ttggtgagaa gactgaagct tcgttagtat ggtttactcc tccgagaact tcaaaccagt 240
ggcttgattt ctgggttacgt catcgactcc agtgggtggag aaagtttgcc atgagtccat 300
ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360
acaattttcc cctggggaaa ggagttaata gaaacctgt ggaacctaa agatccgaac 420
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480
gnggntcctt ggggtcctct ctggaaatgg ggacctanac ccgaggcatg ctgnctaact 540
ntatgattct ttt 553
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<212> DNA

<213> Homo sapiens

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1901

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<222> (167)

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<221> misc feature

<222> (173)

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1902

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<222> (183)
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<221> misc feature
<222> (186)
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1903

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<220>
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<220>
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<220>

1904

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 <223> n equals a,t,g, or c

<220>
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<400> 2544
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 ncacgcanaa tnnccanattg acttggnngcg agaagctgnt tataaaattt ttctttatcc 120
 caatgctggt caattgaaat gtnataaga attgctcagc agcaganatc ttntggcaaa 180
 gtngggngggg nattccangn nttctcacag ggctctncaa ggaacgatag ctnanaatnc 240
 agagactgac atgcagggtcc ttgaaaaact atctggcaaa cttnttgaaa ganctctgaa 300
 agatttttnag atgatacgan ggatgaaant gaaactgaat cctcaaaatt ccnaagtaat 360
 gccntgggac cccntttact acagtgggtgt gattcgtgca gaaaggtna atattgagcc 420
 cagcctatat tgccegnntt tctntcttgg agcatgcatg gaaagcctga atattn 476

<210> 2545
 <211> 434
 <212> DNA
 <213> Homo sapiens

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 <222> (18)
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<220>
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1905

<222> (56)
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<220>
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<220>
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 <223> n equals a,t,g, or c

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 <222> (368)
 <223> n equals a,t,g, or c

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 <222> (369)
 <223> n equals a,t,g, or c

<220>
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 <222> (391)
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<220>
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 <222> (394)
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<220>
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 <222> (427)
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<400> 2545
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 ngcacagttt tctctcttgg agcatgcatg gaaggcctga atattttgct taacagactg 120
 ttggggattt cattatatgc agagcagcct gcaaaaggag aggtgtggag cgaagatgtc 180
 cgaaaactgg ctgttggttca tgaatctgaa ggattgttgg ggtacattta ctgtgatttt 240
 tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300
 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360
 gttcccgnaa gggagttctc caactttggc naangcctgg gcatgatggg aaaacctttc 420
 ccagganggg ggac 434

<210> 2546
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 <212> DNA

1906

<213> Homo sapiens

<220>

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<222> (4)

<223> n equals a,t,g, or c

<220>

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<222> (34)

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<220>

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<222> (399)

<223> n equals a,t,g, or c

<220>

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<222> (455)

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<220>

<221> misc feature

<222> (527)

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<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

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<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<400> 2546

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ccaaccctgg acacgaaggc ccccaccggc cggagaacga aaccctgggg tcgtctgaag 120
aggagggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

1907

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caccgaggtc cccaagccct ccgcaaagga cgtggagatc ctggagcaag agagcgaagt 240
cctcgagcca tcagtcgagc aggacgcaga gagccccggg ctgtccacag ctgcgggctt 300
tgagagtcct gagccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggaggt 360
ccaggggcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcgggaagc 420
ccccacctg cgttttccgc cgtgccccga ggctnccag cgtcccccg aggagcgggt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
cccgaacccg ggccttagcc cggccgngca agccgtgaac tcgttnnaact t 591

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<210> 2547

<211> 331

<212> DNA

<213> Homo sapiens

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<222> (276)

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<220>

<221> misc feature

<222> (286)

<223> n equals a,t,g, or c

<220>

<221> misc feature ,

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<400> 2547

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gggaagctgc tgaaaaggct aaatgtgaac tctctcctc tgtgcagact gacatcaatt 120
tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgacccgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaag 240
ctatgcatga tgcagaagtc atcttgagtg acatangaga agtgantcct gtgngtggca 300
tgactaggat gcccatgttc ngcagactgn c 331

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<210> 2548

<211> 558

<212> DNA

<213> Homo sapiens

1908

<220>
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (417)
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<220>
<221> misc feature
<222> (456)
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<220>
<221> misc feature
<222> (507)
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<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (529)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (534)
<223> n equals a,t,g, or c

<220>

1909

<221> misc feature
<222> (542)
<223> n equals a,t,g, or c

<400> 2548
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aatggaacag aaccttcac cctgccattc ttggacccca atgcccgcc cctgggtacca 120
gaggtctcca ttaaggtaca gaggtagagt gggagagtgt tgcaagctct agcacagtag 180
ttatatcttg ccacaaattg gggggtgaac acaggagaga atcaaaggag gctttgaagg 240
taggagttgg tgcaggcata tcttataccc actgagcaca gctgccaact gttgcccttt 300
attcgtctat ttctcagact ccacgggtat tcaatacagg gggtgcccct cggatccttg 360
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480
gctggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540
gntttggact gctggcac 558

<210> 2549
<211> 313
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
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<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

1910

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<221> misc feature
<222> (40)
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<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
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<222> (73)
<223> n equals a,t,g, or c

<220>
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<222> (125)
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<220>

1911

<221> misc feature
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<220>
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 <222> (241)
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<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (287)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (297)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (304)
 <223> n equals a,t,g, or c

<400> 2549
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 tnatnggtgt ttnnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120
 ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180
 ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240
 natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300
 aatntttgtt tcc 313

<210> 2550
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (67)
 <223> n equals a,t,g, or c

1912

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

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<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (483)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (496)
<223> n equals a,t,g, or c

<400> 2550
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gcccattntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtagg 120
cacggtcttt gctcacatgc aggggtattt tgccagtgc ggttcctgga aaaaaaatag 180
ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240
ccgtcttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300
cacctcttcc cagtgcctgat ggaatcttgg tgcctctcgc cctcagctgc acagaagctc 360
tgccgcctct tgggactggg ggtgacggat ttctcccag ccttgctcac ccctcgcac 420
aaagtggcc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480
ggngggcaan gcacanaaag agccg 505

1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60
aatgccatga tnagtgaggc tccaatgccc atcagntttg ccatgttcct naccatggt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

1914

gaaagtgctg atgaggaatc tggctctgcc tgaggacgtc cgagggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg gggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cggggccatg tcttgggctt cttagcacga aaacaatata gaaaggctcct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411

<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

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caagaagacc acagacagtg atgccaaggn gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209

<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1915

<222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (587)
 <223> n equals a,t,g, or c

<400> 2554
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 gctggagtca tgacagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
 ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtcaa tggcaccgga 180
 acaaactcaa ccaactccac tacagctgtt cccagcttgg ttgcacttga gaaaattaat 240
 gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
 cctcactgtg agggaaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
 gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgaggttgaa 420
 aattggtgtc ctcatctacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
 tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
 aanaattccn ggtggatgag actacggatc cggnaaatg gctnacncat ggatccaagc 600
 aat 603

<210> 2555
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (341)
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<220>
 <221> misc feature
 <222> (351)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (358)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (409)
 <223> n equals a,t,g, or c

1916

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2555
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cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120
gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180
ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240
catgggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300
ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360
acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420
gcacaaggac ttngacatnc tcccattggt ccggggganaa caanaggggg a 471

<210> 2556
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

1917

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 2556

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tcaattctna gtcccagagg ttaccaaggg caccctctn acatccggcc tgntttctt 120
cacatgacaa aaactagccc ccatctcaat catataccaa atctctccct cactaaacgt 180
aagccttctc ctcaactctc caatcttacc catcatagca ggcagttgaa gtggattaaa 240
ccatcccagc tacgcanaat ctnaacttac tcctcaatta cccacatang atgaataata 300
ncagtcctnc cgtacaacct ac 322
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<210> 2557

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

1918

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 <221> misc feature
 <222> (314)
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<220>
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 <222> (330)
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<220>
 <221> misc feature
 <222> (369)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (385)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (403)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (407)
 <223> n equals a,t,g, or c

<400> 2557
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 taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtc 120
 cagaggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaac 180
 tagcccccat ctcaatcata taccaaactc ctccctcact aaacgtaagc cttctcctca 240
 ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aaccagctt 300
 cgctaaatct tagnatactc ctccaattan ccacatggga atgaaattat agcagggttct 360
 tacggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
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<220>

1919

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<222> (251)
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<220>
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<400> 2558
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tatagcaata aaactaggaa tagccccctt tcacttctga gtcccanaag ttacccaagg 120
caccctcttg acatccggcc tgcttctctc cacatgacaa aaactagccc ccatctcaat 180
catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttata 240
catcatanca ngcagttgan gtggattaaa ccaaaccag ctacgcaaaa tcttagcata 300
ctcctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

1920

```

attcttaatt taactattta tattatccta actactancg cattcctact aatccactta 420
aaatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480
cttattcctc c 491

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<210> 2559

<211> 290

<212> DNA

<213> Homo sapiens

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<222> (260)

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<220>

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<222> (261)

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<220>

<221> misc feature

<222> (268)

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<220>

<221> misc feature

<222> (272)

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<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2559

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aatcataatg gctatagcaa taaaactagg aatagccccc ttctacttct gagtcccaga 120
ggttacccaa ggcaccctc tgacatccgg cctgcttctt ctacatgaa caaaaactag 180
cccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctctcactc 240
tctcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

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<210> 2560

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

1921

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<222> (69)
<223> n equals a,t,g, or c

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<222> (85)
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<220>
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<222> (105)
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<220>
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<222> (151)
<223> n equals a,t,g, or c

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<222> (159)
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<220>

1922

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<222> (493)
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<220>
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<222> (497)
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<222> (499)
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<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 2560
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1923

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gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tcctcaatta 120
ccacatanga tgaataatag cagttctacc ntacaaccnt aacataacca ttcttnattt 180
aactatttat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cagcacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcacga cnaacnatac cctcatcatc cccaccatcn ttgnccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccattct 540
ccccacactc aaanacttaa cacgtt 566

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<210> 2561

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

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<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

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<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2561

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acggctacat agaaaaatcc accccttacg agtgcggtt cgaccctata tccccgccc 120
gcgtcccttt ctccataaaa ttcttcttag tagctattac cttcttatta tttgatctag 180
aaattgccct ccttttacc cttaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat ccctcttatt aatcatcatc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattn n 331

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<210> 2562

<211> 539

<212> DNA

1924

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

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<220>

<221> misc feature

<222> (82)

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<220>

<221> misc feature

<222> (110)

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<220>

<221> misc feature

<222> (136)

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<220>

<221> misc feature

<222> (151)

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<220>

<221> misc feature

<222> (178)

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<220>

<221> misc feature

<222> (185)

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1925

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<222> (273)
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<220>
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<220>
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<222> (426)
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<220>
<221> misc feature
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<222> (436)
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1926

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<222> (488)
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<220>
<221> misc feature
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<220>
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<222> (525)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (538)
<223> n equals a,t,g, or c

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ttataacaag ctccatctgc cnacgacaaa cagacctaaa atcgctcatn gcatactctt 120
caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctc tgaagctnca 180
ccgngcagc cattctcata atcgcccacg gacttacatc ctcattacta ttctgcctag 240
caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctccctgatca 420
aatatnactc tccngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480
aacatatntc gcacaaacgn aaatgggggg gtcaantcac ccaanccaca tttgaacng 539

<210> 2563
<211> 453
<212> DNA
<213> Homo sapiens

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1927

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<220>
<221> misc feature
<222> (130)
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<220>
<221> misc feature
<222> (148)
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<220>
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<220>
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<220>

1928

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<222> (289)
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<220>
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<222> (304)
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<220>
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<220>
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<222> (344)
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<220>
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<222> (356)
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<220>
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<220>
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<220>
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1929

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<220>
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<220>
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<220>
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<222> (427)
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<220>
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<222> (450)
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<400> 2563
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ggttacccaa ggcnaaccct cctgaaattc cggcctggct tcctttctac attgaacaaa 120
aaaactaagn cccccaatct caattcanta ttaccaaaat tctttctccc ctccaactta 180
aaaacgntta angcccnttc ctccctcca acttccttct tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnnngnttg aaaagggttg gggaatttna aaaaccccaa 300
aaanccccc aagcntttnc ccgcaaaaaa aattcctttt aannccaatt aacctncccc 360
tnccaaattt ttaaccccc nccctttttg gggnaattgn aaaantttaa nttaangcca 420
aggtttnccc ttaccgggtt ttaccaaanan ccc 453

<210> 2564
<211> 527
<212> DNA
<213> Homo sapiens

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1930

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<220>

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<222> (80)

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<220>

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<222> (154)

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<220>

<221> misc feature

<222> (183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (210)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

1931

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<222> (298)
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<220>
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<223> n equals a,t,g, or c

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<220>
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1932

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<222> (501)
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<220>
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<222> (505)
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<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
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<222> (518)
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<400> 2564
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gtatgtggtg ggcctggcan ggaatgcaat tctcagagaa gacaaaagacc cgcaaaaagat 120
gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctgtt 180
tangaaaaag aagtgtgact actggatcan gacttttgtt ccangttgcc ancccggcga 240
gttcacgctg ggcaacatta ananttacc tggattaacn anttacctcg tccgagtngt 300
gancacaact acnaccagca tgcintggtg ttcttccaaa aaattttctn aaacanggaa 360
ttcttccana tcaccctctn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420
acttctctcc cctcctccca attctcctgg gcccccttaa aaaccactct ccttcccttt 480
tcccattcca acantttttt naaanggtga attttnangt ttcccc 527

<210> 2565
<211> 547
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (66)
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<220>
<221> misc feature
<222> (377)
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1933

<220>
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<222> (415)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
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<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2565
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ggaaanaagg acatctggtg ctggagggtc tgagtggggt ccagggggccc caggcaggcc 120
aggagggaaca gcctggtgtc agctcaggga gaaggccag gcccatctcg gctgggtggg 180
gtaggggccc tccaggtagt gggggatgag ctgtcacggg ttggggccga ctgagagcaa 240
cagaaccctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300
gtctccctc tcaccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360
caggactttt gttccangtt gccagcccgg cgagttcacg ctgggcaaca ttaanagtta 420
ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480
ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540
gaaccaa 547

<210> 2566
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

1934

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<400> 2566

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agtggatccc ccgggctgca ggaattcggc acgagggggtc ccgggcgcggt ttcgggtgct 120
ggcggtgca gccgagttca aacctaaagca gctggaaggc ccctgtggct aggtaccata 180
gagtcctctac acaggagtaa atcagcctgg tgtgcagggg aggagagacac acaaacagaa 240
aattggacta cagtgtctaag atgctgtaag aagagggttaa ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctacttttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatgggggt ccagcgggggt cttgtgggag agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
gacctgaagg accgtccatt ctttgccggc ctggtgaaat acatgcactc agg 593
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<210> 2567

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (365)

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<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2567

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taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120
```

1935

```

gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttggccac cttegggttc cccatctcat gctggtacaa cccacactga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgac aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat      416

```

<210> 2568

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<400> 2568

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gtggatcccc cgggctgcag gaattcggca cgagattccg tctgcgcggg ttgttctctg 120
gagcagcggt cttttatctc cgtccgnctt ctctectacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc cccctgaggc cccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaaggtgg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacggtt t                                     441

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<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

<220>

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<222> (429)

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1936

<220>
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 <222> (445)
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<220>
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<220>
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 <222> (489)
 <223> n equals a,t,g, or c

<220>
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 <222> (494)
 <223> n equals a,t,g, or c

<400> 2569
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 aaaggtcaaa atcaagacta tagaggtgga aagaatagca cttggagtgg tgaatcaaaa 120
 actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180
 gagaaaagcaa cttttatcaa agtaccacag aacccaaaatg gcaaatctaa aggggatgca 240
 tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaaagg 300
 gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaagcc 360
 agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420
 acattaaang gagtcatttg acggnttccg nttcgggccca aggatagttt actggcccg 480
 ggaaaactng ggtncctccc aaagggggtt tgggtttttg 520

<210> 2570
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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 <222> (133)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (149)
 <223> n equals a,t,g, or c

1937

<220>
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<222> (222)
<223> n equals a,t,g, or c

<220>
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<222> (228)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (290)
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<220>
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<222> (296)
<223> n equals a,t,g, or c

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<222> (306)
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<220>
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<222> (310)
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<220>
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<222> (345)
<223> n equals a,t,g, or c

<220>
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<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>

1938

<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<400> 2570
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tcgccggggt gcccgcgctg ggcttcaccg gcgccggcat cgcggccaac tcggtggctg 120
cctcgctgat ganctgggtc gcgacccctna atggggggcgg cgtgcccgcc ggggggctag 180
tggccacgct gcagagccctc ggggctgggtg gcagcaaagt cntcatangt aatattgggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
tgccctttnat ttttttttta tttttttttg aaananggtt ctcactatat tgnccag 416

<210> 2571
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)

1939

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<400> 2571

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agggagcaac	ggcaagaaag	aagtgcctgag	cggtttccaa	gtggtgctgg	aagacacagt	120
gcttttccct	gagggcgggg	gacagcctga	tgaccgtggt	acaatcaatg	acatctctgt	180
gctgagagtg	actctgtgct	gagagtgcact	cgncgtgggg	aacaggctga	tcatttcacc	240
cagacacccc	tggntccagg	aagccagggt	ctngtccgng	tagattggga	gcggagggtt	300
gaccacatgc	agcagcattc	agggcagcat	ctcatcacgg	cagttnttga	ccatctattt	360
aagctgaaga	caacatcatn	ggagttaggg	agatttcgga	gtgcgattna	gctggacacc	420
ccctctatga	ct					432

<210> 2572

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

1940

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (687)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<400> 2572

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aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180
atttattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240
tggaagagct atactacaaa attcctggac agaagtcatg gatttaatat tgaaaccccg 300
ctctggagct gaaaagggct acttgggttaa atgcagagaa gaatgggcaa agaccaaaga 360
cccaactgct gcctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420
atattcatag ctaccaaagc tatgtgtgga ataacatggg aagcaagagg atagaagact 480
atggactaaa cctgttccag gggacctcgn tctcaaagga ccccgcccc tatattgagg 540
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg ttccgatggg 600
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660
ganatggcca cctgagaccc aaaatcnnaa ttt                                     693

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<210> 2573

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

1941

<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2573
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gcctgcggat cgcggctatt caccacttta tcggcaccca tcgccagcac ttcttgcctct 120
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180
gcatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240
gtgcatcaac agtggtttta agaccgtgga taccgncgca caacagcggc cccgngggac 300
tcgatatcca atatttttct gggcagtgga attcacccat tgnccatncc gnacggaant 360
tttnggcaag ccaccgggat ttcaaatacgt ggggnaccga acttggt 407

<210> 2574
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

1942

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2574

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atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcacttaaaa ctccagaaga aatTTTTatg 180
aaagttgaca gctgattcta aaattttaca tagaaatgca aaggtctccg aatagTcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt ccggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttgtt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggTTTTtta atagt      415
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<210> 2575

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

1943

<220>
 <221> misc feature
 <222> (187)
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<220>
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 <222> (191)
 <223> n equals a,t,g, or c

<220>
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 <222> (192)
 <223> n equals a,t,g, or c

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 ggaaggggat aaaccacgag ccaccatcca cgccagncgc accatgccgc tnctaagcct 180
 gcacagncgc nng 193

<210> 2576
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 2576
 gaaacagagt ccagagctgg tgaagaagca caagaaaaag agggttgtcc ccaaaaagcc 60
 tcccccatca cccaacctta cagggaataat tgagatcaaa attgtccgcc catgggctga 120
 agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180
 cttcttcaat atcttggtgc cgggagctga agaggccag aaggaaacgcc agcggcagaa 240
 agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300
 cctggacgaa tttgacttct gagaccaaac agcagagtgg agctgagctg tggacctctc 360
 gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420
 ttgagacctc accgggcctg tgattttgct ctctgaact ctactcaa 469

<210> 2577
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 2577
 ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60
 agatatgtct ataagggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120
 atgggcttcc caccacaaaa tgcttattag ctaaaaatgg cctgaaagct ctagtaatta 180
 aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240
 cttcgcttaa gtttctaact tttacttget tttccagag ttattttatac caaatcctac 300
 aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578
 <211> 330

1944

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
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<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2578
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ccagggttta tgtgtcaggg tggtgacttc acacgccata atggcactgg tggcaagtcc 120
atctatgggg agaaatttga agatganaac ttcacccata agcatagggg tcctggcatc 180
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcaactgcc 240
caagactgat tgggtgggat ngccaacatt tgtntttttg ggcaaagtn aaaagaaagg 300
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
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1945

<220>
<221> misc feature
<222> (99)
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<220>
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<222> (103)
<223> n equals a,t,g, or c

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<222> (107)
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<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (193)
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<222> (215)
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<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>

1946

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<220>
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 <222> (296)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (315)
 <223> n equals a,t,g, or c

<400> 2579
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 cctggtggac tacaccctgt caancccagc acgtgctgnt ganacancca gaaccgcgg 120
 cgggacgcac tgangagggc cntnagtcag tacctgacgg acagggttcn ctggagggac 180
 tgaagacggc cnggccacc atggcggcac aacanccccc gatacccatg ccagtgtgtg 240
 tgccaaggat cancggtcac caccatgac tgctgcctc ggcacanggg cctngnccac 300
 tggatgtgac cttcntccat cat 323

<210> 2580
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (346)
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<220>
 <221> misc feature
 <222> (435)
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1947

<220>
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 <222> (453)
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<220>
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 <222> (508)
 <223> n equals a,t,g, or c

<220>
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 <222> (510)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (514)
 <223> n equals a,t,g, or c

<220>
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 <222> (521)
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<400> 2580
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 gtttctccca attgctccaa atattcctca gcccgagcagg tgggggaaat ggccaagggg 180
 tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240
 tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaaagtcgg 300
 ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360
 cagccaggag ttcatccatc ttcaaggtct gaggggcacg ggatacaagg gtacactgtg 420
 gtcctgcagg aattnacca ccaattcatc ttnagaagct actcccaaag gctttggaga 480
 ctgcctcaga ggctggggct cggaggcngn gcanggggtca ngcgtcaggc cttagtgttt 540
 ctgctg 546

<210> 2581
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)
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<220>
 <221> misc feature
 <222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

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<220>

<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

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1949

<400> 2581

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gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cggaagga aaggccccgg ttgggggttc agggcgccgg taacgttaac cggcgccttg 180
cctgtcctct aaccgtcgct cctcctccc ctagaaagat gttctcgtcc gtggcgcacc 240
tggcgcgggc gaacccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgcag canctnccca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
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<210> 2582

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

1950

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2582

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accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggg gggagcccaa cccatttga taggaatttt 180
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctgggtct tccancagtg gctgactgaa agacaacnat 340
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<210> 2583

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

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aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aatccaagt atccacagac ttcgccatgc agaattgttct gctgcagatg gggctgcacg 120
tgctggcggg gaacggcatg ctgattcgtg aggcccgagg ctacatcttg cgctgccatg 180
gctgtttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac ccncggggt cgggtactcn cttcccactc ccaaangggg 360
gcaaataccc atcaacccca tctcnccaaa gatcacnct cctccactt gcaatctcca 420
aaaggccagg cnaaaaacca ctnttcccc taatactccc cg 462
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<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

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cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtag ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgcgg cggccagaca gtcaagagcc 180
tgcggatcca ggagcagggt cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330
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<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

1952

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
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<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
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<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1953

<222> (162)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (206)
 <223> n equals a,t,g, or c

<220>
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 <222> (208)
 <223> n equals a,t,g, or c

<220>
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 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (239)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (265)
 <223> n equals a,t,g, or c

<400> 2585
 gctcgtgncg attcgggcacn agacgggggct cntcccattt atcccagtgg ctcaacaact 60
 tntttgcccct ccccttctcc nccatggctt cccancttga catgtctncc gtggtggggg 120
 caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180
 agtcccatag aagcctctca agtcnntg cctctggaaa gnctctccaa ttacattcnc 240
 accaccctgt gccccaaaaa agggncacca tca 273

<210> 2586
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (420)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<220>

1954

<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2586
gctctgacag tgacaaagag tggattgctg ctctgcgctg gaaatatcga agccgagagc 60
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcggaac 120
ctccacaggc taagggtgagt gccagcactg gcaccagccc tggccccggt gctagtcca 180
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300
tccagtacca tgagaatgac agtagcagtg agggggataa tgattctggt cacgagttga 360
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420
cgaagaccta naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480
ct 482

<210> 2587
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>

1955

<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 2587
gtctttgnac aatttaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180
tcagatgagg atgattgtga aagttagccc cgtccccctt gcagagacag agtggttagaa 240
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatcccccta 300
agcacacctt ttgacaatga gttctacaat ggactctgta accgggacgc ggatggaaac 360
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420
gagaaaaatt tcanaaccga acattcnaaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2588
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

1956

```

gggatggatc tcagcaaacg ggaatatattt gtgctttgtt aaatctctta gaaagtgcgg 120
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaa gctaggccag 180
gcatgggttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggg cttgatgggc 420
ca 422

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<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

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gcagngggac aacgccgctg tcgccctgct gcagcccttc ctggtggtca ccaaggaggc 60
ctttgacaga tcctttgagg tgaacctgcg tgcggtcac caggtgtcgc agattgtggc 120
caggggctta atagcccgga agtcccaggg gccatcgtga atgtctccag ccagtgtctc 180
cagcgggcag taactaacca tagcgtctac tgctccacca aggggtgccct gggacatgct 240
gaccaagggtg atggccctag agtcggggcc ccacaagctg tcccgggtga gatccgagt 300
aatgcagtaa accccacagt ggtgatgacg tccatggggc aggccacctg gagtgacccc 360
cacaaggcca agactatgct gaaccgaatc ccacttggca agtttgctga ggtagagcac 420
gtggtgaacg gcacccctt tctgctgagt ga 452

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<210> 2590

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (329)

1957

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

1958

<220>
<221> misc feature
<222> (523)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (528)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (606)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (647)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (669)
<223> n equals a,t,g, or c

1959

<220>
<221> misc feature
<222> (670)
<223> n equals a,t,g, or c

<400> 2590
ggacaatgnt tttcttttaa atactcagag gacaggatca ctgtggantc gaatcagaag 60
tggtggctgg aattccacgc accgatcagt actgggaaaa gatctaattc gccgtgggcc 120
tgtcgtgcca gtcctggggg cgagatcggg gtagaaatgc attttattct ttaagtccac 180
gtaagataca agtttcaggc aggggtctgaa ggactggatt ggccaaacat cagacctgtc 240
ttccaaggag accaagtcct ggctacatcc cagcctgtgg ttacagtgc gacaggccat 300
gtgagccacc gctgncagca cagagcgtnc ttccccctgt agactgggtg ccaactcctg 360
gaacactgac tgtggccccc ttcgtgatcc atncatcttc agggagcnag acatatgacg 420
caggaatgga aagcggagtt nctaacagga tgaaagtcc ccnatcantt cccccantnc 480
cttcaagcaa gtanctttcc acatttgtca cannaaatta tangananat ggggtgttggg 540
agcccttttn gagaacncca gtntttccag gcccctgcat ttatcgagtt ttgcaatggt 600
tacaancttt ttgatctgtg ttcacntga attcttttaa tataaanttt ctttttctct 660
ctttatctnn tt 672

<210> 2591
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1960

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)

1961

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 2591

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cncatatchnn agccccagca gcancgcecca aagcaacccc aataacaacg ccatggccgg 60
gtggaaacgc ctacatcgac aacctcangg cggacgggga cctgtcnagaa cgcggcatcg 120
tggctacaag gactcgccnt ccgtctggcc gccntccccg gnaaacgtnc ntaaaantaa 180
cncaagctga agtgggtgtcc tggttggcaa aaaccggcaa gttttacttt aatggctgac 240
actttggggg ccagaaatgt tcggttnatc ccggaattaa ttgttncaag aatgggggaa 300
attnacntg gaattttttn tt 322
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<210> 2592

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

1962

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 2592

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naaaaaagggg tcactatgga gttcaaagga cagaactcct gcctgggtgac cgggacaacc 60
tggccattca gacccggggg ggcccagaaa agcatgaagt aactggctgg gtgctggtat 120
ctcctctaag taaggaagat gctggagaat atgagtgcc tgcaccaat tcccaaggac 180
aggcttcagc atcagcaaaa attacagtgg ttgatgcctt acatgaaata ccagtgaaaa 240
aagggtgaagg tgccgagcta taaacctcca gaatattatt agtctgcatg gttaaaagta 300
gtcatggata actacattac ctgttcttgc ctaataagtt tcttttaatc caatccacta 360
acacttttagt tatattcact ggttttacac agagaaatac aaaataaaaag atcacacatc 420
aagactatct acaaaaattt tattatatat tttacngnaa gaaaaagcct tgcnttatca 480
ttaaaccaat taaaaatacc ttttttattn acancccc 518
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<210> 2593

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

1963

<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (520)
<223> n equals a,t,g, or c

<400> 2593
accaaaactga gtgtgtgtgtgt gtgtgttttat tgggggtgtgg catgaggcga gtgtgtaaga 60
cagagagcaa aagagctaca gaggccactc taagcagcag catcatgtga ccactaaaga 120
tttacacctg aaactaaata cagaatgttc tatctctaca gattccaaag gttttcctaa 180
aaatataacc aacaacaggg ggaaaaaaaag ataccagat tccaaggacc tcacgatggt 240
gctgaaaacc tatgacacca gcttcctgga ctttctccag aagggtgttg gtatggggaa 300
cctttctctt tcgcatggac cccgggacca ggccctccaa gcatggcttg ggattccntc 360
agtcttcggg aacctccaag ccacagccca ggccccagac cctggaggga antcccantt 420
cctttttnc cctcttggag acaaggggaag ggacaagggt tccagggtn gtcattcactc 480
ggagcagnaa aggcagatgg agattnancc aaagggttn ccaggggaaa ccaaag 536

<210> 2594
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>

1964

<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2594
gggtgnatgg ggtattttcac cacgtggngc tggctacaca tttggacaag acattttctga 60
aacctttaac catgccaatg gtctcacact ggtttctcgt gccaccagc ttgtaatgga 120
gggatacaat tgggtgtcatg atcggaatgt ggttaccatt ttcagtgcac ccaattactg 180
ttatcgttgt gggaaccagg ctgctatcat ggaattagat gacactttaa aatattcctt 240
ccttcaattt gaccacgcgc ctgctcgtgg tgagcctcat gttacacggn gcaccccaga 300
ctacttccta taaattttctc ctgggaaacc tgcctttgna tgtggaagta tacctggntt 360
tttaaaatat atgtatttta aaacanan 388

<210> 2595
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)

1965

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (418)

<223> n equals a,t,g, or c

<400> 2595

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ggggactcct gacatagcca gctgctgtga aataatggaa gagcttaciaa cctgccttaa 60
aaattaccga aaaaccttaa tacatagctg cttgtctcct actataacctg tctgacacaa 120
tatcaccaga gcaagccata gacagcctgc gagacctaag aggatccggg gcaatacaga 180
ccatcaagca atacaattat cttcatgagt ttcggggacaa attagctgca catctatcat 240
caagagattc acaatcaaga tctgtatcaa gataaaggaa ttcaaatagc atatatatga 300
ccatgtctga aatgncagtt ctctacataa tttggattga aatgaaacca ccagtgggtat 360
caacttgaat gnaaatgtcc tgtgccnata ttcctaagggt ttattgcaa aaaaannn 418
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<210> 2596

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

1966

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<400> 2596
gggcgcgcgag ccgcgggtccg agcagaactg gggctccctt gcattcttcca gttacaaatt 60
cagtgccttc tgcagtttcc ccagagctcc tcaagaataa cggaaggagg aatatgacag 120
atacctagca tctagcaaaa taatggcagc tgcttacctt gacccaact tgaatcacac 180
accaaattcg agtactaaga ctcacctggg tactgggtatg gaacgttctc ctggtgcaat 240
gggagcgagt attaaagggtc ttctattatt ttgaaagcaa tagtgagcca accacctggg 300
ccagtattat naggcattgga gatgctactg atgtcagggg catcattcag aagatagtgg 360
acagtcacaa antaaagcat tgtggnctgc tatggattcc cgcctcagtc ccttgcnctc 420
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<210> 2597

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (153)

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<222> (320)

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<222> (329)

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<222> (348)

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<220>

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<222> (358)

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<400> 2597

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accttctcag agagcatgaa aggtctgctaa aacacaagct gaagggtacaa gaagaaatgc 120
ttaaggaaga atttcaaaaag aaatctgagc agntaaataa agagattaat caactgaaag 180
aaaaaattga aagcactaaa aatgaacaag ttaaggctct taaagatcct tgacatggct 240
agcaacataa tgactgtcac tctacctggg gctttcaagc tacttggagt agggacaaaa 300

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1967

tgatcttggc tnacgtattn aagagcctna atattccagt taagaaantt ataatatnag 360
gt 362

<210> 2598
<211> 460
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (332)
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<222> (397)
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<220>
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<222> (451)
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<400> 2598
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gatggataag ctggtgggtg agtacgccaa cgccatttgc caatgggagc gtaacaagtt 120
gcagtgtctt gacacggagc aggtggaggc cgacctggag tgaggcctcc ggactctggc 180
acgctccaac agccctcctc tggaagctgc gtcccctcac cccctgtttc aggtctccca 240
tctccctcag tgacctggat ctgacctcac accatcagca gggggcaccc accatgcaca 300
cctgtctcgg antaagcaac tcttcctggg gntccaggc tatttttggt gcttaattac 360
tggttttctc cattgcattg ttaggcatgg tgacaantga cagaattctt gcctcttgtc 420
cagtttcaac atctggttgc ttttaaccaa ntacatctag 460

<210> 2599
<211> 371
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (154)

1968

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

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<220>

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<222> (361)

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<400> 2599

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tttcctggcc gccagaagat ccacatctca aagaagtggg gcttcaccaa gttcaatgct 120
gatgaatttg aagacatggt ggctgaaaag cggnetgcat cccagatggc tgtgggggtca 180
agtacatccc cagtcgtggg ccctctggga caagtggcgg gccctgcact ncatggaggg 240
ctttccaatg tgcttgcccc cctcttgaat acttcaccaa taaaattcta atttcctgtt 300
ccaaaaaaaa aaaaaaaaaa aattccgggg gggggcccggt aaccatttg gcccccttagg 360
nggttgtttt t 371
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<210> 2600

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (144)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (147)

<223> n equals a,t,g, or c

<220>

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<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

1969

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<220>
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<220>
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<222> (313)
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<222> (365)
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<222> (399)
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gctagtggag ttgtatcgct caactaaaag attgaaggat gctgtggccc actgccatga 120
ggcaagaagg aacatagctt tgcnttncaa gttagagtg gaattcgtgt gttgtacaga 180
cccttaagtt ttgatagtgc tcttcagtct gcgaaatctt ctttgggtgg aaatgaatga 240
actgtgcagc taactttctt agaaatgaaa aggacatttc tatatgttng cnggttctct 300
ggtncettgaa agntgggtcc agcatggtaa taatgttcca atggcgagct ctttctgagc 360
tggngnggctt tgnngctatnt catagcattt cagtaagtnt tcccantgta gggggg 415

<210> 2601

<211> 251

1970

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (221)

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<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<400> 2601

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cctgacagta ctgtccatct gcctgagcgc cgtggccacg gccacggggg ccgagggcaa 120
aaggaagctg cagatcgggg tcaagaagcg ggtggaccac tgtcccatca aatcgcgcaa 180
aggggatgtc ctgcacatgc actacacggg gaagctggaa natgggacan agtttgacag 240
cagcctgccc c 251
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<210> 2602

<211> 517

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

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<222> (97)

<223> n equals a,t,g, or c

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<222> (113)

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<220>

1971

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<221> misc feature
<222> (138)
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<220>
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<222> (147)
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<220>
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1972

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<222> (226)
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<220>
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1973

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<222> (458)

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<400> 2602

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gagggtcccc tccccactaa gtgcctcttt gcatagnacc agtccccacc cgnacgggtct 120
ctggaccact acagntgnac gggcaanggc gggtcgggga ggcgcanacg gncccnatgg 180
nccanctgnt gggnacaaaga tctgtcaatt taagctggnt ctncnngggg agtcttcggt 240
aggcaaatcc agccttgtcc tccgcttttt caaggggncaa ttttacngnt accacgagag 300
cacaatttga gcgggttttc tnananagac ttttttcctt ggtgcaaaaa cagtcaaagt 360
tttaganttg gncaaaaatt ggcaaagagc ggtttanagc ttgcccccat gtatttttgg 420
gggcccagtt tcatctngct ttttaatacc acacagtnna ttttaagggc cagaattggg 480
taagggttta anggaagcca cccacaatgt aattnaa 517

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<210> 2603

<211> 505

<212> DNA

<213> Homo sapiens

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<220>

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<222> (13)

1974

<223> n equals a,t,g, or c

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<221> misc feature

<222> (29)

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<220>

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<222> (30)

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<222> (387)

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<220>

<221> misc feature

<222> (389)

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1975

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<222> (392)
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<220>
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<222> (483)
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1976

<220>
<221> misc feature
<222> (492)
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<220>
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<222> (498)
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<220>
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<222> (500)
<223> n equals a,t,g, or c

<220>
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<222> (503)
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<400> 2603
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ttctaaagaa aaactaggga tttagaggac gtttgggcac tgaacgcaan tttctgcata 120
ggaaacctag gngatcccc aaaagaggtc cctctggtag gccctcgaga tgctgctggc 180
ggcctggggg aaatcctcat tgacgattca atttgttgaa ggccaatttg tggactccta 240
cgatccaacc atagaaaaca cttttacaaa gttgatcaca gtcaaattga cangattatc 300
atgttnaact tgtagacaca gccggggcaa gatgaatatt ctatcctttc cctcaggaca 360
tactccatag atattaatgg gttatantnc tnntgtantc ctgnnacacc attcaaaagg 420
tttgnagggg ttaagttat ccctgggcaa tngtgggtat nggtgggggaa ggacaataac 480
cnntttgttg gntgggggntn agnag 505

<210> 2604
<211> 171
<212> DNA
<213> Homo sapiens

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<222> (5)
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<220>
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<220>
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<222> (23)
<223> n equals a,t,g, or c

1977

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<222> (64)
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<220>
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<222> (70)
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<220>
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<222> (101)
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<220>
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<222> (109)
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<220>
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<222> (146)
<223> n equals a,t,g, or c

<220>
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<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (165)
<223> n equals a,t,g, or c

<400> 2604
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cacngaattgn gtattactgt gcgagacaca ccaaccagca ncacccganc tacaggatga 120
aacggtggat cgacccttgg ggccanggae cccnggtcac cgacnactca g 171

<210> 2605
<211> 467
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
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<220>

1978

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<220>
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<220>
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<220>
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 <222> (451)
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<220>
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 <222> (467)
 <223> n equals a,t,g, or c

<400> 2605
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 gggacttgag actcaccggc cgcacgccat gagggccctg tgggtgctgg gcctctgctg 120
 cgtcctgctg accttcgggt cggtcagagc tgacgatgaa gttgatgtgg atggtacagt 180
 agaagaggat ctgggtaaaa gtagagaagg atcaaggact tcctgctcac agcccgacga 240
 aaggatgcca aatctgtcaa gatcaagaaa aataaggaca acgtgaagtt taaagtgcga 300
 tgcagcagat acctttacac cctgggtcatn actgacaaag agaaggcana gaaactgaag 360
 cagtcctgc cccccgggt tgcacagtga aggaactgaa atgaaccaga caacactgat 420
 ttngaactgn cnttatatta aaatactaaa natectaata tattcan 467

<210> 2606
 <211> 313
 <212> DNA
 <213> Homo sapiens

<220>
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1979

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<220>
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<222> (115)
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<220>
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<222> (139)
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<220>
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<222> (144)
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<222> (251)
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<222> (280)
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<222> (283)
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<220>
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<222> (300)
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<400> 2606
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tcaacatctg tggtggggag agtgganaca gactgacgcg agcagccaag gtgtnggagc 120

1980

agctcacagg gcagaccnt gtgntttcca aagctagata cactgtcaga tcctttggca 180
tccggagaaa tgaaaagatt gctgtccact gcacagttct aggggccaag gcagaagaaa 240
tcttgagaa nggtctaaag gtgcgggagt atganttaan aanaaacac ttctcagatn 300
ctggaaactt tgg 313

<210> 2607

<211> 324

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

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<222> (172)

<223> n equals a,t,g, or c

<220>

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<222> (213)

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<220>

<221> misc feature

<222> (233)

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<222> (234)

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<220>

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<222> (269)

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<220>

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<222> (299)

<223> n equals a,t,g, or c

<220>

1981

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<400> 2607
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gatatatgtt ctctaggcct ttanaaaaac atggagttgt tcctttggcc acatatatgc 120
gaatctataa gaaaggtgat attgtacaca tcaagggaat ggggtactgtt cnaaaaggaa 180
tgccccacaa gtgttaccat ggcataactg gangagtcta cnatgttacc cannatgctg 240
ttggcattgt tgtaaacaaa caagttaang gcaagattct tgccaagaga attaattgnc 300
gtattgagca cattaancac tcta 324

<210> 2608
<211> 625
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (524)
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<220>
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<222> (552)
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<220>
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<220>
<221> misc feature
<222> (577)
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<220>
<221> misc feature
<222> (604)
<223> n equals a,t,g, or c

1982

<400> 2608

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ttaaaggcca agaaggcagt gttgaaaggt gtccacagcc acaaaaagaa gaagatccgc 120
acgtcaccca ccttcgggcg gccgaagaca ctgcgactcc ggagacagcc caaatatcct 180
cggaagagcg ctcccaggag aaacaagctt gaccactatg ctatcatcaa gtttcgctg 240
accactgagt ctgccatgaa gaagatagaa gacaacaaca cacttgtgtt cattgtggat 300
gttaaagcca acaagcacca gattaaacag gctgtgaaga agctgtatga cattgatgtg 360
gccaaggcca acaccctgat tcggcctgat ggagagaaga aggcataatgt tcgactggct 420
cctgattacg atgctttgga tgttgccaac aaaattggga tcactctaac tgagtccagc 480
tgcctaattc tgaatatata tatatatata tcttttcacc atanaaaaaa aaaaaaaaaa 540
agggccgggc gntctagagg atncaanctt acgtacnctg tgcattgccga cgtcttagct 600
cttntatagt ggtcaccccta aaatt                                     625
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<210> 2609

<211> 151

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

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<222> (90)

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<220>

<221> misc feature

<222> (107)

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<222> (146)

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<400> 2609

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1983

cctggctggg acgctactcc ggacgcaaan ctgtcatcgt gaagaanatn gatgatggca 120
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<210> 2610
 <211> 431
 <212> DNA
 <213> Homo sapiens

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<400> 2610
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 catgtctgcg catctgcaat ggatgggtcgt gcggaactgc tccagtttcc tgatcaagag 180
 gaataagcag acctacagca ctgagcccaa taacttgaag gcccgcgaatt ccttccgcta 240
 caacggactg attcaccgca agactgtggg ctggagccgg cagccgacgc aaagttcttg 300
 tgggtcatta acggaatccg gcacggaacc tgccactcct atgtgcgaca catcaacaga 360
 tgtccgcccc tcacactcaa cctateccaa acatacccca ctgcctgnac acnaggcann 420

1984

ctctccncaa c

431

<210> 2611

<211> 142

<212> DNA

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1985

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taacccgaga atacnccatc aacattcaca atcgcatcca tngagtgggc ttcaagaanc 120
gtgcacctcg ggcactcnaa ga 142

<210> 2612

<211> 518

<212> DNA

<213> Homo sapiens

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<220>

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<222> (11)

<223> n equals a,t,g, or c

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gctctagaac tagtggatcc cccgggctgc aggaattcgg cacgaggttg tctgcaggca 120
ctcagaatgg tccagcggtt gacataccga cgtaggcttt cctacaatac agcctctaac 180
aaaactaggg tgtcccgaac ccttggtaat agaattgttt acctttatac caagaagggt 240
gggaaagcac caaaatctgc atgtggtgtg tgcccaggca gacttcgagg ggttcgtgct 300
gtaagaccta aagttcttat gagattgtcc aaaacaaaga aacatgtcag cagggcctat 360
ggtggttcca tgtgtgctaa atgtgttcgt gacaggatca agcgtgcttt ccttatcgag 420
gagcagaaaa tcgttggtgaa agtggtgaag gcacaagcac agagtcagaa agctaaataa 480
aaaaatgaaa cttttttgag taataaaaaat gaaaagac 518

<210> 2613

<211> 269

<212> DNA

<213> Homo sapiens

<220>

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<222> (21)

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1986

<220>
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<222> (98)
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<222> (141)
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<222> (213)
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<222> (259)
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<220>
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acagctacct gacccccgac ctctggaagg agactgtntt caccaagtct ccctatcagg 120
agttcactga ccacctcgtc nagaccacaca ccagagtctc cgtgcagcgg actcaggctc 180
cagctgtggc tacaacatag ggtttttata cangaaaaat aaantgaatt aagcgtgtta 240
aaanaaaaaa aaaaaaacnc gaaaccaan 269

<210> 2614
<211> 451
<212> DNA
<213> Homo sapiens

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1987

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<222> (7)

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<222> (224)

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<222> (366)

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<222> (394)

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<222> (435)

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<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

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<222> (451)

<223> n equals a,t,g, or c

<400> 2614

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gcggccacgt gcagcctatt cgctgcacta actgtgcccg atgcgtgccc aaggacaagg 120
ccattaagaa attcgtcatt cgaaacatag tggaggccgc agcagtcagg gacatttctg 180
aagcgagcgt cttcgatgcc tatgtgcttc ccaagctgta tgtnaagcta cattactgtg 240
tgagttgtgc aattcacagc aaagtagtca ggaatcgatc tcgtgaagcc cgcaaggacc 300
gaacaccccc accccgattt agacctgcgg gtgctgcccc acgtcccca ccaaagcca 360
tgtaangagc tgagttctta aagactgaag acangctatt ctctggagaa aaataaaatg 420
gaaattgtac ttaanaaaaa aaaaaaangg n 451

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<210> 2615

<211> 293

<212> DNA

<213> Homo sapiens

1988

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<220>
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<222> (292)
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<220>
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<222> (293)
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1989

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cgtgtctgtt caaaccggca cggctctgatc cggaaatatg gcctcaatat gtgccgccag 120
tgtttccgtc agtacgcgaa ggatatcggg ttcattaagt tggactanat gctcttcctt 180
cataggatta tccggggcat ctactcaatg aaaaaccatg ataattcttt gtatataaaa 240
taaacatttg aaataancctt cnaattgtca aaaaaaaaaa atatgncctc tnn 293

<210> 2616
<211> 338
<212> DNA
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<220>
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<222> (209)
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<222> (300)
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<220>
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<222> (302)
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<222> (315)
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<220>
<221> misc feature
<222> (338)
<223> n equals a,t,g, or c

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gctgccagaa actcattgaa gtggacgatg aacgcaaact tcgtactttc tatgagaagc 120
gtatggccac agaagttgct gctgacgctc tgggtgaaga atggaagggt tatgtggtcc 180

1990

gaatcagngg tgggaacgac aaacaaggnt tcccatgaa gcaggggtgtc ttgacccatg 240
gccgtgtccg ctgctactga gtaaggggca tttcctgtta caagaccaat ggagaactgn 300
anaaagaatt gananaatca gttcgtgggt gcattgtg 338

<210> 2617

<211> 422

<212> DNA

<213> Homo sapiens

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<222> (272)

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1991

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<400> 2617

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tgataggtgt ttgcactnca tcttgggctg tgtaccatt ggcaaatgca gggaggattt 180
tggtgggttat tactgccctt gccatgggtc acacttatga tgcactctggg caggatccag 240
attgggtcct gctcctcttc aaccttgaag tccccacgg tattgagttt caccagtgac 300
ggntattggt ggatttggtt ggttnaagag actttnnggac ttcaagncca taagggnnttt 360
tttttcagtc ctttanggtt caaccccgag ggggcttttn ttttggggga gggaggcctt 420
nt
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<210> 2618

<211> 493

<212> DNA

<213> Homo sapiens

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<222> (13)

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<220>

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<222> (27)

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<220>

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<222> (311)

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<220>

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<222> (384)

1992

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<222> (394)

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<222> (419)

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<220>

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1993

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tcatccagga cgaatgctgc gtttgattca tgagtgtcct catcaggaag ggaagagcat 120
ccatgaagct ccgggctcag ctctgcgagc cttagcgtca aggccatcaa ggaagcgatt 180
gattatctga ccgttgaggg ccacatctat cccactgtgg atcgggagca ttttaagtct 240
gctgattgag gcagggaaaa catcctttca tttttcgaag acccttgcat ccagctgtgg 300
agtaattttg nacctgtttg acttttttagg aagtaggatt aaaaaaaaaa ttttcaagtg 360
ggcattcttt tgtcaactcg ttgntttttt aaanggtttt gaacttttng gntttcngna 420
tttgaggtcc agggganncg gtnntgggta aatttgncaa nccttgggggt ttttctggca 480
gttatnggaa aat 493

<210> 2619
<211> 439
<212> DNA
<213> Homo sapiens

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<222> (397)
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<220>
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<222> (426)
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<220>
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<222> (427)
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1994

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<222> (429)
<223> n equals a,t,g, or c

<220>
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ccgggggtcaa ccctgaagat cacaggcagn atcgccgatg gcactgatgg ctttgtaatt 180
aatctggggcc aggggacaga caagctgaac ctgcatttca accctcgctt cagcgaatcc 240
accattgtct gcaactcatt ggacggcagc aactgggggc aagaacaacg ggaagatcac 300
ctgtgcttca gcccagggtc agagggtcaag ttcacagtga ccttttgaga agtgacaaat 360
tcaaagggtga aacctgccaa aatgggcacg aactggnttt ttcccaacaa ggcttgggggt 420
cacaanncna ccttaanct 439

<210> 2620
<211> 330
<212> DNA
<213> Homo sapiens

<220>
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<222> (330)
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cccgatattc gggcagcgag ggcagcacgc agaccctgac caaggggggag ctcaaggtgc 120
tgatggagaa ggagctacca ggcttcctgc agagtggaaa agacaaggat gccgtggata 180
aattgctcaa ggacctggac gccaatggag atgcccagggt ggacttcagt gagttcatcg 240
tgttcgtggc tgcaatcacg tctgcctgtc acaagtactt tganaaggca ggactcaaat 300
gatgccctgg agatgtcaca gattcctggn 330

<210> 2621
<211> 508
<212> DNA
<213> Homo sapiens

<220>
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1995

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1996

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<221> misc feature

<222> (347)

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<222> (357)

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<222> (414)

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<222> (417)

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<221> misc feature

<222> (428)

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1997

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<220>
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<222> (435)
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<220>
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cctgctttcg atgttaagnt tgtagatgta aatggcaatg ttctacctcc tggacaagaa 120
ggtgatattg gcattcaagt tctacccaac cgaccatttg gcctttttac tcattacgtg 180
gataatcctt caaaaacagc ttcaactcta cgaggcaatt ctatatcact ggggacagag 240
gatatatgga taaagatggg tatttctngt ttntttgcaa gngcagatgt tggcanatat 300
nccctggttn tgcatttggc ccctttgggt ggnaaatccc ccattnncac cccttanttt 360
agagtnccct ttttcaaaang ccnaccctt tcaagggggg nggtnaaagt tttnggnttt 420
aaaaccntt tcnangncca nttcagggcc ctttttaagg ggttccgggg cttttaaaaa 480
ctccgggcct tnaatttccc cagggggg 508

<210> 2622
<211> 361
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

1998

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<222> (115)
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1999

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<400> 2622

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gaaaaaagaa ttacaacata aaatagatga aatggaagaa aaagaacagg agctncaggc 120
aaaaatagaa gctttgcaag ctgataatga tttcaccaat gaaaggctaa cagctttaca 180
agagaagctg accgtcgaan ggcataatac caaagcggtg gaagaaacaa agctttcaaa 240
agaaaatcan acaananciaa aagaatctga tttttcagat actctgagnc caancaagga 300
aaataanaaa nnaagggcgg tcgctctata ggatccaagg cttacgtact cgtgcatgcg 360
a 361
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<210> 2623

<211> 407

<212> DNA

<213> Homo sapiens

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2000

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<400> 2623

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gcctggacag tcctgtgnacc gtggagtggaggcacagtc tgattctgcc cggagtaaga 180
cattgacggg agctggggggc ttcgtgctgg ggctcatcat ctgtggagt ggcatnttca 240
tgcacaggag gaacaagaaa gttcaacgag gatctgcata aacagggttn ctgacctacc 300
gaaaagacta atgtgcctta gaacaagcat ttgntgggnt ttggtaacac ctgggttcang 360
acagancctt agcttttccc aanaggatac tgggtgcaaa aaagttt 407

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2001

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2002

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gtttcaagcc cctgcaggaa gcagaatgca ctttttgagg cacctncagc tgcccccggc 120
cgggnaagtg cgaaggctcg gagcaccctt gcccggctgt gaattgctgc caggactgt 180
tgcattctnca gcttttctgt gccctttgct cccggcaagc ggttctgctt gaaagtttca 240
tnatcttggg aggcctgnat ggtncctttaa cggaattaaa ggttcccccc attgcttcca 300
aan 303

<210> 2625
<211> 165
<212> DNA
<213> Homo sapiens

<400> 2625
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gcagtgagcg tgggcccccg ggtgcacatc attgaggagc tgcagatctt ctcacgggga 120
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<210> 2626
<211> 406
<212> DNA
<213> Homo sapiens

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<220>
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2003

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<221> misc feature

<222> (352)

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<400> 2626

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cgcaagcttc caacccccgtc gtctgcacgc aagccaaaatc cccatccggg acagtgtgca 180
cctcaaagac taagaaagca ctgtgcatca ccttgacctg gggacttcct cctgggaact 240
gcgctggccg ctggcctact ctggaaattc atgggcagca aatgctccaa ctctgggata 300
gaatgcgaat cctcaagttc tgcattcaacc ctctactggg tgttatagcg tntcaactgc 360
cccnnggggga agaaaaaaat cngtgttcct nttttcaaac ttctcc 406
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<211> 334

<212> DNA

<213> Homo sapiens

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gccgcccagg cnggatacgg atggcatcca cctcctgagc agccngcncc tgnatgaatc 180
caagagtcgc atgcagcaga agctgccctg agtcactncn acntccggnc tcngggaaga 240
gccgtgngca ccaaccttga aaacactggc gacaacgtct ccctgaaggg gaaaccactc 300
cagaagggac ccangctacc caggggntgg ncna 334

<210> 2628
<211> 568
<212> DNA
<213> Homo sapiens

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2006

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2007

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cctggtggca aatggggccc ttgtcagcat ctgtaacaag tatggagaga tgcctgtgga 120
caaagccaag gcacccctga gagagcttct ccgagagcgg gcagagaaga tgggccagaa 180
tctcaaccgt attccataca aggacacatt ctggaagggg accacccgca ctcgggccccg 240
tgagtcacca ctgtgggaag aagggttgta aaaggaaata atcctggcct cttggggctg 300
ggttaggggtg aagctgggta cctgacctgc cacactctta ngaaatggaa ccctgaacaa 360
acactctggc attgacttca aacaagctta acttntctgac gaagctnaac gaagaatact 420
cttggaang tgacccctgc cttnttgccc tctnanta aa ccccccataaa tacttgcttt 480
gtacctgttt taagttttct tcaattantg ggcaaggaag tgggnanaaca tttaagcttc 540
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<210> 2629

<211> 335

<212> DNA

<213> Homo sapiens

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<222> (49)

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<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

2008

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<220>
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gtncacagaga atgtgctgag tntcgatgac cttactgcag acgcnttagc taacctganc 120
aanccacaaa tcaaaaaagt ccgactcctc attgatgaag ccacacctgaa gtgtgacgcg 180
gagggantaa agttggaagc agagcggttt gagaacctcc gagagattgg gaaccttctg 240
cacccttctg tacccatcag taacgatgag gtaggtggct gtgccgcagc aggaggctgc 300
cttaggtcgc tgctgtctct gcaggggacg ggang 335

<210> 2630
<211> 117
<212> DNA
<213> Homo sapiens

<220>
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2009

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<220>
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<222> (104)
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agttacagaa gcatcttcna acaggnntgc tgctattaaa atcnatacca aaagtga 117

<210> 2631
<211> 488
<212> DNA
<213> Homo sapiens

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2010

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ctgatggttg agatcaggaa actgcaaaga ctgggaagtt cttaaaaagg ttcacagatg 180
aagagtctag agtattcctg cttgataggg gtaataccag ggataaaagag gcttcaaaag 240
agaaaggatc agagaaaggg agggcagagg gagaatggga agatcaggaa gctctagatt 300
acttcagtga taaagagtct ggaaaacaaa agtttaatga ttcagaaggg gatgacacag 360
aggagacaga ggattataga cagttcagga agtcaagtcc tcgcagatca gggtaaaagt 420
tttgctactg catctcaccc ggaatnctg aaggaggaan ggactcaagt accnngttcc 480
anaggttt 488

<210> 2632
<211> 103
<212> DNA
<213> Homo sapiens

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2011

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tggaatcagg anaagcaggc tgcttttctc ctaaaatcan cca 103

<210> 2633
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<212> DNA
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2012

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atggcgggagt acgacttgac tactcntatc ggcgactttt tggatcggca tctagtcttt 120
ccgcttcttg aatttctctc tgtaaaggag atatataatg aaaaggaatt attacaaggt 180
aaattggacc ttcttagtga taccaacatg gtagactttg ctatggatgt atacaaaaac 240
ctttattctg atgatattcc tcatgctttg agagagaaaa gaaccacagt ggttgcacaa 300
ctgaaacaag cttcaggcag naaccagaac caattgtgaa gatgtttgaa gatccagaaa 360
ctacaaggca aatgcagtca accagggatg gtaggatgct ctttgactac ctggcggaca 420
agcatggttt taggcaggaa tatttagata cactctacag atatgcaaaa ttccagtacg 480
aatgtgggaa ttactcagga gcaagcagaa tatctttatt ttttttagagt gctggttcca 540
gcaacagata gaaatgcttt aagtcactct ggggaagctg gcctctgaaa tcttaatgca 600
gaattgggga tgnancatgg aagaccttac acgggttaaaa gagancatag ntaataattc 660
tgnnggtctc catttagctc ttagca 686

<210> 2634
<211> 354
<212> DNA
<213> Homo sapiens

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<220>
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2013

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<220>

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<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<400> 2634

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actacgccta cgaggtcatt aagcacaagc tgtgccgacg aggaaaatgc cagaaggagg 180
ccaaaaggag cagtgcggac aagggcgtgg ccctcacctg gacgacgtca aaagacacaa 240
cccgttgcga gaaccttcgg ggccaccctg ccgggatgac atacgcttgg caacattcta 300
ccttanccat tcgggccgaa ggacttcnaa gacntttact tgnttgance cccg      354

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<210> 2635

<211> 620

<212> DNA

<213> Homo sapiens

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2015

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2016

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<400> 2635

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anaatagaga tcangttgaa ttttgtatga atntcctatt tatnaacact tttattaata 120
ctacaatggg gctgctgtga ttgancacga gcgagtccag aagaccttc ctcacccaat 180
tgataaatgg gccatngctg atgcacaatc tgctatagaa aaacaaaaac gaagaaatcc 240
tcttttactg cctgtggacn aaatccatcc ttcgttnaan gaattattag ggtacaaaat 300
gagactacca tgtatcccta tatnttgtgg ntgtactaca ntatatctca gcctgatatt 360
ttaaaatngg ctggctentct tgtttttaat atccggcatt ntgaaatata tcanacanga 420
ctttaaattg tctattttgt tgcggtatcan gttaatgtta caaggtattt naattttact 480
tgaatagcac natctaattt ctgcctcaat ctttatgttt taattattaa atanattatc 540
tnttatgatt tgctncttac tggaaacaaa aaaaaaatcc tggttttact tcattaacca 600
tgaatatttc ccngtttttn                                     620
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<210> 2636

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

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<220>

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<222> (20)

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<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

2017

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<220>
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<220>
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<220>
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<222> (142)
<223> n equals a,t,g, or c

<220>
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<222> (148)
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<400> 2636
gcnegagcgg gtactaccn ggcggtatn gaggggetcc cggatggcct gentttcccc 60
gacatcctct ggatcctctg ttggttntct ttgctgctgt ngctggacag gatgggccta 120
ttgatgctga tgaatttctn anatgtcnga cct 153

<210> 2637
<211> 377
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
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<220>
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<222> (225)
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<220>
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2018

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<220>
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 <222> (243)
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 <222> (261)
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<220>
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<220>
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 <222> (293)
 <223> n equals a,t,g, or c

<220>
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 <222> (335)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (351)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (371)
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<400> 2637
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 cgatgctgcc tctgctgcgc tgcgtgcccc gtgtgctggg ctctctcgtc gccggcctcc 120
 gcgctgcgc gcccgctcg cctttccggc agctcctgca gccggcacc cggctgtgca 180
 cccggccctt cgggctgctc agcgtgcgcg caggttccga gcggmggccc ggcctccngc 240
 ggnctgcgcg accctgcgcc ngtggctgtg gctgcggctc gctgnacacc ganggagaca 300
 aagcttttgt tgattacctg agtgatgaaa ttaangagga aagaaaaatt nagaagcata 360
 aaacccttcc naagatg 377

<210> 2638
 <211> 479
 <212> DNA
 <213> Homo sapiens

2019

<220>
<221> misc feature
<222> (14)
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<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<400> 2638
ggaaaaaatta atancctccta gaacaaaagc tataattcca gttgatattg gaggatttcc 60
agctgattat tcagaaattt tagatttagt ggaaaggaaa aaagatatat ttaatcctaa 120
aaaagggaact tatcaagaaa aacttgggag aatattagtt ttggctgatt ctgctcactc 180
atttggtagt agctacaaag gaaagaaaat aggaagtgtg gcagatgtaa cttcattttc 240
atttcattgca ataaaaaatt taacaacagc agaaggtgga gctttaacat ggaatcttcc 300
taataatttt gataatgagc aaattttataa agagttgatg ttgntagctt tacatggcaa 360
aataaggatg cactagcaaa gctaaaagca ggtgcttggg aatatgatat tgnatgcca 420
ggatacaaat gnnatatgac ngatattatg gcggctattg ggttaatcca cttnaagat 479

<210> 2639
<211> 410
<212> DNA
<213> Homo sapiens

2020

<220>
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<220>
 <221> misc feature
 <222> (300)
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<220>
 <221> misc feature
 <222> (370)
 <223> n equals a,t,g, or c

<220>
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 <222> (374)
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<220>
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<220>
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 <222> (408)
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<400> 2639
 gcatggatga gatggcagtt gaattcctgc atgaactgaa tgttccattt ttcaaagttg 60
 gatctggaga cactaataat tttccttatac tggaaaagac agccaaaaaa gtgtaccagc 120
 gcatacccgcc tccagcctga ggacgtcaac ctgcgggtca tctcgggaata tcagaagctc 180
 tttcctgaca ttcccatagg gtattctggg catgaaacag gcatagcgat atctgtggcc 240
 gcagtggctc tgggggccaa ggtgttgga cgtcacataa ctttggncaa gacctggaan 300
 gggagtgacc actcggactc gctggagcct ggagaactgg gcgaagctgg tgcggtcagt 360
 gcgtcttgtn ggancgtgcc ctgggctccc caagcaaagc anctnacngc 410

<210> 2640
 <211> 164
 <212> DNA
 <213> Homo sapiens

<220>
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2021

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<400> 2640

ggcagcctgc agtctgaaga ttttgcagtt tattactgtc agcagtatag tctctggtac 60
acttttggcc aggggaccaa cctggagatc aaacgaactg tggctgcacc atctgtcttc 120
atcttcccgc catctgataa aacaattnaa atnntgaant tnct 164

<210> 2641

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (208)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

2022

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<220>

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<222> (359)

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<220>

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<222> (380)

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<220>

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<222> (407)

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<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 2641

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aaaaaccaca ctaggcaaag aacttgcgctc aaaatcagga ctgaaataca ttaatgtggg 120
tgatttagct cgagaagtct gatcatcgga tatcatggag tctggcaaga cggcttctcc 180
caagagcatg ccgaaagatg cacagatnat ggcacaaatc ctgaaggata tggggattac 240
agaatatgag ccaagagtta taaatcagat nttggagttt gccttccgat atgtgaccac 300
aattctngat gatgcaaaaa tttattcnag ccatgctaaa aaaacttctg ttgatgcana 360
ttatgtgcga tggcatccan tgccgcctga tcatctttta ctctccnccc caaaaatttt 420
tttanatttg caggcaaaat caanccttgc                                450

```

<210> 2642

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (173)

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<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

2023

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<222> (227)
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<220>
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<220>
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<222> (272)
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<220>
<221> misc feature
<222> (281)
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<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

2024

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<222> (317)
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<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (364)
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<220>
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<222> (384)
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<220>

2025

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<220>
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<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<400> 2642
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gaagcgcagc agcaggcatc gtgggaaggt gaagagcttc cctaaggatg acccatccaa 120
gccggtccac ctcacagcct tcttgggata caaggctggc atgactcaca tcntgcggga 180
attcnacang gccgatcca aggtgaacaa aagagttggt tgaagcnttt tacatttttn 240
aaaaaccng ngnttttttg cttttgncct tnaaaacccc naggcccgaa ccttcaaaat 300
ttttntttta ccccttnnaa tcanaaggnt ttttttnaaa tggttntttt aaaaaagctt 360
ccnttttcca aatggggaga agangggnaa cccggaagaa tccccccaaa atttcttttc 420
cttttttccc ccaaaccctt cnttccaaaa aacctttnaa catttaaagc tttcnaaana 480
aggcccaaan aanattctta catttttggg aaaaaaatcc gttaaggagag gaagttcctt 540
ttgccaaaac 550

<210> 2643
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

2026

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

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<222> (344)
<223> n equals a,t,g, or c

<220>
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<222> (349)
<223> n equals a,t,g, or c

<400> 2643
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ctgcagggtac cgggtccggaa ttcccgggtc gaccacgcg tccgtggaca gctgatgaag 120
gggtcttcga caattttgtt ctcaaaatca gagataccaa aaagcagtct gagccactgg 180
aaataaccct acttgcccc gaacgtacca gggacataac aggtctcaga gaggtacttg 240
aatacgaaat tgaactctat ggaataagca aaggaaggcg atcccagaca gtctgttctc 300

2027

tcctgtttat ttacagtatc tgttggtgnt atagnactna ctgnttttnt atttt 355

<210> 2644

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

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<222> (190)

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<220>

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<222> (199)

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<220>

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2028

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<220>
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<222> (266)
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<220>
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<220>
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<222> (354)
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<220>
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<222> (379)
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<220>
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<222> (395)
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2029

<400> 2644

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cccggttcga nccacgcgc cgcggacgcg tgggcccagc ctgggcccgc accctggggc 120
tcaccaaggc aacctggcct tcggtcttca tagcaatgna atagccagcc ctggaagccc 180
cagcctgggn cgtcacctng gagggactgg atctgnggtt cccggcagnc cctgcttgga 240
ccggcatgtg gcctatggag gctatnctac ccnggaggat cggagacca cactgtcnng 300
gaagagcant gcctatggct accaggctcc ttenacgcca tccttgctg tctnccctgc 360
ctactaccct ggactgagna gccctgacac ctacnag 397

```

<210> 2645

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (204)

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<220>

<221> misc feature

<222> (214)

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<220>

<221> misc feature

<222> (232)

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<220>

<221> misc feature

<222> (243)

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<400> 2645

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ggtggaggcc acatgcgcct gcctgcttgc tcagggagaa gaggccgaga aagaacactg 60
ctccaagtgc ctggcagagc agatgatcct ggaggaattt ggaaggtgct tatcacagat 120
tctccacact gagtttaaat ctaagggatt gaaaatggag tagagtataa agtgtgaatg 180
catgttgatt ttgtcttant ctanaaatct ctantttaga aaggatgttt angggaacat 240
gangctggct 250

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<210> 2646

<211> 361

<212> DNA

<213> Homo sapiens

2030

<220>

<221> misc feature

<222> (97)

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<400> 2646

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atgtgccctc tctatgaccc taacaggcag ctttggntcg aactggcccc ttaagcatg 120
ccgagaatta accatggagt tctctcagca gaaggatttt tgtttgatt cgggggcca 180
gatgaaaata agcagactct tagctcagga gaaaagtatg atccagatgc aaatacatgg 240
acagcattgc cacctatgaa cgaggcaaga cataacttcg gaattgtgga gatagatggg 300
atgctgtaca ttttgggagg agaggatggt gaaaaggagc tgatttccat ggagtgttac 360
g 361
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<210> 2647

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (13)

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<222> (17)

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<220>

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<222> (18)

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<220>

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<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2031

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

<223> n equals a,t,g, or c

<400> 2647

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gcaagcnncg ccnccannca tcactaaaag ggancaaaaag cnttgagctc caccgnggtg 60
cggcccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg agggatatcg 120
acgtcgtgat ccagaagtcc agagctgagg actgcctggt tgcagccaag ttctatagaa 180
attttagagt attcatcaga tagtgaaaaa gaagatgatt tggaaaatgt cctactcatt 240
nattcagaac cccctcacia                                     260
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<210> 2648

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (411)

<223> n equals a,t,g, or c

<400> 2648

2032

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ctaggccgtc gctttcgggt tctctcatcg cttegtcggt cgccaatggt tgaggagaag 120
gccagcagtc cttcagggaa gatgggaggc gaggagaagc cgattggtgc tggatgaagag 180
aagcaaaagg aaggaggcaa aaagaagaac aaagaaggat ctggagatgg aggtcgagct 240
gagttgaatc cttggcctga atatatattac acacgtcttg agatgtataa tataactaaaa 300
gcagaacatg attccattct ggcagaaaaa aaaaaaaaaa gggcggncgc tctagaggat 360
ccaaagctta cgtacgcgtn catgcgangt cataagtttt tctattagng ncacctaaaa 420
t                                                                 421

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<210> 2649

<211> 788

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

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<220>

<221> misc feature

<222> (14)

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<220>

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<222> (39)

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<222> (566)

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<220>

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<222> (587)

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<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (678)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2033

<222> (681)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (750)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (783)

<223> n equals a,t,g, or c

<400> 2649

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cgtccggatt ccctcccga cagttaaccg gaagagtaca gacagcccgg tagagtgtat 120
gggccaggag aaaggggaat tcagagaaat attctacatc attggagctg tggatattgt 180
ggtcacatc cttgtcatca tcctggctat atctctacac aagtgtagaa aggcaggagt 240
ggggcagagc tggaaggaga actccccact gaatgtttca taaaggaagc actgttggag 300
ctactgcaaa tgctatattg cactgtgacc gagaactttt aagaggatag aatacatgga 360
aacgcaaattg agtatttcgg agcatgaaga ccctggagtt caaaaaactc ttgatatgac 420
ctgttattac cattagcatt ctgggtttga catcagcatt agtcactttg aaatgtaaca 480
aatggtacta caaccaattc caagggttaa tttttaacac catggcacct tttgcacata 540
acatgcttta agattatata ttccgnactc aaggggagtaa ccaggtngtc caagcaaaaa 600
ccaatgggaa aatggcctaa aaaatctggg tgggactttt gaaaagcttt tttttttttt 660
ttttttgana cgggagcntg nttttgttgg ccaagctgga aggcantaag caccgatctt 720
gggttaattg gaccttcggn ttttgggttn aagcaaatgg ctggcctaaa ccttccgagt 780
agntggga 788
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<210> 2650

<211> 378

<212> DNA

<213> Homo sapiens

<220>

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<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2034

<222> (150)
 <223> n equals a,t,g, or c

<220>
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 <222> (237)
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<220>
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 <223> n equals a,t,g, or c

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<220>
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 <223> n equals a,t,g, or c

<220>
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<220>
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 <222> (352)
 <223> n equals a,t,g, or c

<220>
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 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (376)
 <223> n equals a,t,g, or c

<400> 2650
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 aaaccaaagt ctcttctgct gggaaatccc agtacagatc gtttctcadc tctaagtgcc 120
 tcattgagtt cgggtgcatt ggccaatgan tctgctgaga ctcttgacag cacctccagc 180
 tctgctgctt caacaacagt gacttgctct ccaatggtat ccagtgattc gttgaanagg 240
 aggtgctctg tagcagaaac tgagctnccg gtggctgntt ctcaatggnt gctcatgtct 300
 cttttctgct tangtggttc attaaatgca ccacttggtg gcaatgttaa tnttttttta 360
 acacnttact tgggggnt 378

2035

<210> 2651
<211> 241
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<400> 2651
gcctcaagca gcggcggtcc cttagtgaca gtgtctacac ccctccacca agtgtccccc 60
acgggcctgg agcccagcca cagcctgctg agtacagaag ccaagctggt ctcagcagct 120
gggggcccc tccccctgtc agcaccctga cagcactgca cagnttggag canacatccc 180
caggcctcaa ccagcagccc cagaacctna tcatggcctn acttnctggg gtcatgacca 240
t 241

<210> 2652
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<400> 2652
gacctgtcaa aacatatcaa gacccaccag aataagaagg gagggcccagg tgtagctctg 60
agtgtgggca ctttgcccct ggacagtggg gcaggttcag aaggcagtgg cactgccact 120

2036

ccttcagccc ttattaccac caatatggta gccatggagg ccatctgtcc agagggcatt 180
gcccgtcttg ccaacagtgg catcaacgtc atgcaggtgg cagatctgca gtccattaat 240
atcagtggca atggcttctg agatcaggca cccggggcca gagacatatg ggccataccc 300
cttaaccccg ggatgcaagg tagcatgggt ccaagagaca tggaagagag agcccntgag 360
attaaaatgc atggtgt 377

<210> 2653

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

2037

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<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>

2038

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 2653

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aattcggcan agcaggggtca ctgtcaagct tgaggaggca ggtacaaaac atattatatt 60
aatcacagaa aatgagatcc tggcacacag ggtcagattg aggggtgggc acctgtagtt 120
ctgcacgatg ttccgagaaa gcttccagct gtnnccccgg acagcagcag atttngagga 180
tcagtaacag tgaaaaagtg ccggggtctg ccaggnaaag tactttgggc ccagcgaggt 240
tcctgggatg ttgatgtcta aaggcaatth caccattht ntgcaggaca gagattaagg 300
gttcagagcg ggagtcceaag ggthccaagg ggthccagtt agggggaant tttgggtggcc 360
cctgccctgg gcccttgagg tttttctnca thcctthnaa gagntcaagg tgnttagatn 420
taggggaaag aaagagngtt cagattntta ctgggtctat nttgggaagg aaggccntag 480
gggattcent tthnaa                                     496
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<210> 2654

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (132)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

2039

<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (479)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2654
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ctctcctcac ctgccgtcat caatgccgc gtgtccacca tctctctgcc caccgcccct 120
ccagctgctg gncactgagt gctgcatact ccggctgggg caacactctg agctttggtg 180
ctgactaccc agacgagctg aagtgcctgg atgctccggt gctgaccag gctgagtgt 240
aagcctccta ccctgggaaa gattaccaac agcatgttct gtgtggggct tccttgaggg 300
gaggcaagga ttccttgcca gcgtgacttt ggtggccctg tggctctgcaa ggacagtcc 360
aaggggttgt ctncctggggc caggggtgtgc tgggaagaac aggctggagt ttncaccagg 420
tttacaattt gtggattggn ttagggcaac ntgggtgcaa cattaagccc ggtnccttng 480
atttttacca taanggct 498

<210> 2655
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>

2040

<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<400> 2655
gaacgcttct gtgagacttg ataatagctc ctctgggtgca agtgtggtag ctattgacaa 60
caaaatcgag caagctatgg atctagtga aagccatttg atgtatgcgg tcagagaaga 120
agtggagggtc ctcaaagagc aaatcaaaga actaatagag aaaaattccc agctggagca 180
ggagaacaat ctgntgaaga cactggccag tnttgagcag cttgcccagt ttcangccca 240
gctgcagact ggctcccccc ctgccaccac ccagtcacag ggcaccacac agnccccgc 300
cagccagtat nntagggctc angaccaacc gcatan 336

<210> 2656
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

2041

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (598)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (603)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2656
ggagaataca gactatgtga acgcatacctt tattgatggc taccggcaga aggactccta 60
tategccagc cagggccctc ttctccacac aattgaggac ttctggcgaa tgatctggga 120
gtggaaatcc tgctctatcg tgatgctaac agaactggag gagagaggcc aggagaagtg 180
tgcccagtac tggccatctg atggactggg gtcctatgga gatattacag tggaaactgaa 240
gaaggaggag gaatgtgaga gctacaccgt ccgagacctc ctggtcacca acaccaggga 300
gaataagagc cggcagatcc ggcagttcca cttccatggc tggcctgaag tgggcatccc 360
cagtgcagga aagggcatga tcagcatcat cgccgccgtg cagaagcagc agcagcagtc 420
agggaaccac cccatcaccg gtgcactgca gcgccggggg caggaaggac ngggaccttc 480
tgtgccctga gcaccgtctg gancntgtg aaancanagg ggattttgga tgtcttccag 540
actgtcagag cctgcggctt tcagagggca cacatggtcc agacactgga acantttnag 600
ttntgggtcc nnggtggtgc ag 622

<210> 2657
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2042

<222> (463)

<223> n equals a,t,g, or c

<400> 2657

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gctgcgccggg gctgcggccg cccgaggctg ccctgaggat ctgtgtttgg tgaaaaggag 60
ccaaattcac ctgcagggca ggcggctcta gcagcttcag aagcctggtg ccctggcgac 120
actggacctg ccttggttc tttgatccca accccacccc cgatttctgc tctgctgact 180
ggggaagtca tcgtgccacc cagaacctga gtgcgggcct ctcagagctc cttcatcggg 240
actttgaaca tgctggggat cgccctcagc agactcgccc aggagaggaa agcatggagg 300
aaagaccacc catttggttt cgtggctgtc ccaacaaaaa atcccgatgg cacgatgaac 360
ctcatgaact gggagtgcgc cattccggga aagaaagggga ctccgtggga aggaggcttg 420
tttaactac ggatgctttt caaagatgat tatccatctt cgncaccaa atgtaaattc 480
gaaccaccat tatttca 497
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<210> 2658

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<400> 2658

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tgacaccaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg cagnccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agggcagatc acctttcctt 120
tgtctccagc tcttaacatt gaagtggaac aaaatgggaa accgtccctg gttgatttga 180
atgaagaaat gcagcacatg gatgtagagg aatcacagtg tcttagatta tgtccatttt 240
tggaggatca taaagaagac attctatgtg ggccagtatg gcttgctagt ggccttgatc 300
tatcagggca tgctggaatg ttgacgttaa caagcccaa acttggttaa ggtatggcag 360
gagggaaaata tcgttcgttt ttaatccatg tcaaggcagt gaatgaaaga ggaacagaag 420
agatttgtaa tgggtggtatg cgtcctgtag taaggcttcc atccctaaaa caccagagta 480
acaagggtta ttcacttgct tcacttttgg cttaaagttgc agcaggcaag gaaaaatcat 540
ctaattgttaa gaatgaaat acaagtggca cccgtaaatc tgaa 584
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<210> 2659

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

2043

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2659
gctgatattt gccggcaaac agctggagga tggccgcact ctctcagact acaacatcca 60
gaaagagtcc accctgcacc tgggtgttgcg cctgcgaggt ggcattattg agccttctct 120
ccgccagctt gccagaaat acaactgcga caagatgac tgccgcaagt gctatgctcg 180
ccttcaccct cgtgctgtca actgccgcaa gaagaagtgt ggtcacacca acaacctgcg 240
tcccaagaag aaggtcaaat aaggttgttc tttccttgaa gggcagcctc ctgcccaggc 300
cccgtggccc tggagcctca ataaagtgtc cttttcattg actggaaaaa aaannnnn 358

<210> 2660
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (588)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (617)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (620)

2044

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 2660

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gcatttatng acaagagaaa gcacaaagca tggagaccct ccctccaggg aaagtacggt 60
ggccagactt taaccaggaa gcttatgttg gagggacgat ggtccgctcc gggcaggacc 120
cttacgcccc caacaagttc aaccagggtg agagtataa gcttcgaatg gacagagcca 180
tccttgacac ccggcatgac cagtgtcagc ggaagcagtg gcgggtggat ctgccggcca 240
ccagcgtggt gatcacgttt cacaatgaag ccaggtcggc cctactcagg accgtggtca 300
gcgtgcttaa gaaaagcccc ccccatctca taaaagaaat catcttggtg gatgactaca 360
gcaatgatcc tgaggacggg gctctcttgg ggaaaattga gaaagtgcga gttcttagaa 420
atgatcgacg agaaggcctc atgcgctcac ggggttcgggg ggccgatgct gcccaagcca 480
aggtcctgac cttcctggac agtcactgcg agtgtaatga gcactggctg gagccccctc 540
tggaaagggg ggcggaggac aggactcggg ttgggtcacc catcattnga tgtcattaat 600
attggaccaa ctttcantnn tgtgggggca tctggctnga cttt 644

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<210> 2661

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (391)

<223> n equals a,t,g, or c

<400> 2661

2045

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ttgttttatt gccatcctgt ttggaagcag cacaatatca ctttcagacg aagcctctag 60
gagatgttct gtacttttnt ccactctcag ttctcagtct tgtaagcagt tacgagtgtg 120
cctttctcct ctaagtaaag aagccataga tgactccccg agacttttag caaaactctt 180
ggccttaaaa ctatgctacc atatatnctt agaagtcaaa ggatgcaaca cagagaatac 240
atttttctat gangattaat acaagtgnat attagtggat ataaccatta attgtttgga 300
ctcagcctta tcttacaaat gcaagggtcat ttatctagat cagtacttaa aaacataaaa 360
ttttactcta ataaaatgca atataaaagt nggtttaatt ttgatatgtg ctttatagga 420
gtgaagctga aaatatatta                                     439

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<210> 2662

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (258)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<400> 2662

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tgacaaaaag cctatacgat atgcaagant tgtatttntt caatatcaac catcacattt 60
agaaaacctt cagaaagcat atgtacatag tatcttatgt gtaagtgaat gagaatttta 120
tgaataaact ttttaaggga attaagacan tacaatcgtc tgtatctgaa ataaagcaga 180
gacaaaggca aagattatag ctatggntga ggtgaactga gtatcaatac attctaagga 240
taacatagag ttaatganat tnattaaatg atcaatacca gtataataaa tatcctggca 300

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2046

<210> 2663
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (350)
 <223> n equals a,t,g, or c

<400> 2663
 ctttaattgt nctcactcac ttccaagttt gaataagact tttattgagg tatttacaaa 60
 tccatatctg catcccttct ttctatgttt ctaattgtca ctttcaccta tacatgctga 120
 ctccatagaaa atagtttggt aaatagcaag gcatgagcaa ttattaataa tccccaaatt 180
 caaattttta aattcatatt tttaatgaca tgagcatttc ccatgtcacc tatattactt 240
 tttaaattac tccttttccc tggcttgccct tattccacat ccacctaagt ccatctgtct 300
 ttcacatgct atcatattta tctttatgag tacagctttc attgaatttn actaaacct 360
 gaaattgcaa gacacttgag aaacttctag taacctata tgtaatcaca tgttaggtaa 420
 tcaacttttt gcagggttatt ttcaattact ctcca 455

<210> 2664
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (64)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (288)
 <223> n equals a,t,g, or c

<400> 2664
 taaaaactaa gtttccaagg cagtatgctg tggctcctga aaagtccttt agaagaattt 60
 tctngaataa atttagagaa aacctaatg tttcctagg gatgcttacc aactcctcgc 120
 cccctccccg cccgcctct tttattttta ttgtgactca ggggttaaata caaactacta 180
 gcagctgttg gtggaaaaga gcccaatccc aaactctggg gttttccttt gttcccaagg 240
 gaggccttng gaggaatgaa tgatcctaaa ggtaatgagc agacctgngg gaatcctcca 300

2047

agtgccacct ctgactaata ttgggctgtt gccaggaaaa cccaactttg ggatttcaag 360
ctattacttt ccgtgcaacc cctgggtgctt gactattcaa ggggacagct ct 412

<210> 2665

<211> 366

<212> DNA

<213> Homo sapiens

<400> 2665

agcagggtcg gcagtgaaga gcagagaaag gcagttgggg atgttgccac tgtcccccca 60
gaccaccctg ccatggagac gagggagctg tcccttcgcg gaagggggct ggccagcaag 120
aaggacagag agtggactgg ccgaggaccg ctgagctcag gaccaagga ggactcttct 180
aggagacgag agagcgaacg ccagggaccc tgtgcaggcc tgctcctccg tttgcaagca 240
ggctccctcc ccgaggccgt tcagaagcat tctcagcgg gtctacacg tttcctctcc 300
catgtcaagt ttagaagcag tgtcaagacc cacagcagtc ctgcaggagt ttttaaggat 360
gcacgg 366

<210> 2666

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2666

gaattttaat agtaaaatct tataagtggg tgaggagagt aattaatata tagaacatta 60
ccaattataa atacatatct aagtataatt tagtggtttc tggaaagaaa tcaaatgtgt 120
ttctgtgggc attcacatct tcttttttgt gaattttcca agctttctac aatagccata 180
cattctgcaa tatttatagt ctataactta ttatctctag ttgacaaaca tggttctttg 240
tttcttaaat tataaatgtc ttttaacctaa aaaaattaaa tagtcattca gcttacagg 300
ctgcttaaaa aacagaacat ttttttagct nttttgaacc aattttttta atgttcctgt 360
gcaattagta ctttttactt taaacatatg cacttaaagc atccattcac attttaggca 420
ctcatttcag tattttcttt ctgcttacat tag 453

<210> 2667

<211> 479

<212> DNA

<213> Homo sapiens

<400> 2667

gagagaatag tgggtaggag ttaaccagga aagcaaggat gaaagcgtgt tgcgtttaga 60
taaaggatag gcttcaaggc cagggaaacgt tgctgggtgg tgagatggaa ccctgatgtg 120
gaggctcagc aggaagaagc aggaaggaca ctgggcccc ggtggtttta gttccagaaa 180
caaagtgtgg cccaggggct ctgcaatggg aaggctggaa ctactcaaca taagagctcc 240
acctttaact gtgcccccta agagtacctg atgatcccc tatctccttg tcaatgttgc 300
tgttcttctc cagaatctat ttcaacctct ctctgatttc aaaccaccag tccctttacc 360
tctcagagaa aacagcaacc acaaaagcct ctccacttcc tactatctta atattgacaa 420
cttcagatc agggagctga gatattctca gctcagggtt ctcttctgag cttcagacg 479

2048

<210> 2668
<211> 450
<212> DNA
<213> Homo sapiens

<400> 2668
ccgcataccta gccgccgact cacacaaggc aggtgggtga ggaaatccag gtaaggctcc 60
tgacagcagc tttagaaggg tacttgctgg agtgaattcg ggcctctgat tgctatataa 120
agttgtaggc aatcaagcaa cagagaactg caagtttcca aaggcaatga agtaggatac 180
ggaagggaaa tcatggaatt tccacaaaag tcttactggg gcctttcttt ggctagagct 240
ggcacagtgt gacgttcccg agttagttca gagaaatgct ttctcttttg cgaaacaaaa 300
tttccaagag taggtgaatc ctaggatttt tcaagcctgg gacagggtcc agggattttc 360
gtctcagtca ccatactaaag ctttctttcc cacgggctaa agcaaagccc cataggcttc 420
tccactatga cacctcagct cggattgccc 450

<210> 2669
<211> 507
<212> DNA
<213> Homo sapiens

<400> 2669
cgctccccc tccctgctct gctctgaggt gccagccaga gccgctcagg gtccctccgtc 60
cggtttcccg tgggcctaac agcagggccc tggggccacc acccgcacct cctgcctcc 120
atctcagaaa ctgaagcctg ggagccccct gggccacctg agtctgggag acgcaagcca 180
atcccgggga caggccccgg ccccttccta gtgaggggca cgctctgggc aatcgtgggg 240
cagagaaaatt tgctttttta cataaaacgt atcctttgtc cctagaatgg caggctacct 300
ccctgcctta ttctgtgaag atgtagttcc tttattagca gagcttactt tgaaggtaga 360
ataacaataa atatataagc agttggagag taaaatcact acagtattca agtctaaata 420
tattacaaat gccaaagtttt attggaaaat tatatataaa attcttatat acatttttagt 480
aagcctccat cttagtatct aaaactt 507

<210> 2670
<211> 404
<212> DNA
<213> Homo sapiens

<400> 2670
tacaggcatg aaccaccatg cccaacctca tttacaattt ttaaaaaaaa tcttaagatc 60
tgtatttttt atagttttata aaagtttttt tgtgatacaca aaaatacatg cttttggtag 120
aaacacaaac atacaaagat gttctataaa actgactttt tatcgtacat ttttaagatat 180
ttaaaaaatat tttctgtaat ttcatgaaga gtactaaagc cacagtcact gacattgtaa 240
acacctctgt tcattctcta acctgttagg tggttaagct atttttaatt ctagggggct 300
caggctgaac ttgaggttgg ggaggagaat ttgcctctgc ttttagttgc aattttcaag 360
tgaggtgaaa ttaagtaaaa tttgtaagag cttttttggc tttt 404

<210> 2671
<211> 414
<212> DNA
<213> Homo sapiens

2049

<400> 2671

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gaaactcctt gttggctcaa ctgctcttca cagatgcata attttggagt ccatacacca 60
ccctggtcac tctctttaga atacactcca gttttgtaca tttattctat tttcaactgt 120
atgttaattt taaagtacag catgcaacat gaaaattaac atgcacacaa tgagaggagc 180
tgtgttaggc gaaggagctt attgatgatt actttgcttt ttcaaaaatt gtgtttaatg 240
ttggcatata ccccatcttc catagaaata aagtaggggtg ttcaggatct aatttcaaat 300
gtagactagt aatctcaaag tgtaatggga caattatata ccttggttcag gagacaaaat 360
tgctcccaa ccttcttttg ttctgttttt tcatggcata ttttaagctt aaaa 414

```

<210> 2672

<211> 445

<212> DNA

<213> Homo sapiens

<400> 2672

```

cacgcaagca tggtaggact tgctgggtggg ggccgagtaa catccagctt aatctttccc 60
ccccttcgtc gcccggtgcta tgccgggatg ggtccaggct cctgtgtgga ctcgatatat 120
cagagcaacc caatcttgcc gggatcaacc ctaaaggagc cgggctacgg ggccaggaat 180
tgaagtgatg ggttcaaaga ggtagagtta gccgggggtg gagttaatga ggtctcttcc 240
ctctttgggg ctgcacggag ggaggaagct ctgcttgaag cacatggggc tggcccaccc 300
tgtagtcaga ggtagcaagt aatgaggagt cctcctggag tgccctcagct ttagctgggt 360
aaggtagggc gttgtgccat tgtgggtcaaa taacattgca cgttctgaac tgtttcttta 420
ctaggttaac gtccctaaaa cccgc 445

```

<210> 2673

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<400> 2673

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gcagactagg atggctgtat cactaacagc agctgaaact ctggcccttc agggtagaca 60
gggacaagag aagatgatga tgatgggacc aaaggaagag gaacagtctt gtcccaggnc 120
ctgcacatgg acctgcacag gaagagccat gggagaagaa ggaatctctg ggagcagccc 180
aggaagcact gagcatccag ctccagccta aggagaccca gcctttccca aagagtgaac 240
aggtatatatt acattttctg tcagttgtta cagaagatgg ccagagccc aaggacaaag 300
gatcattgcc acaaccaccc attactgaag tggaatcaca ggtgttctca gaaaaacttg 360
ctactg 366

```

<210> 2674

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

2050

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<400> 2674

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acnccctcat aagggaaaca agntngngtt ccacnggtga gnccgtnttg nactatggat 60
ccccnggctg cagattcggc agagcagaga cagagggagc cagccgggcc ccaggtgtcc 120
tcggacgcct ccgaaatctc ctgctgtgtt gtttcttcgg agcttcaccg gagcctgact 180
ctggaaccgg cctgtctgccc tgctgcagtc ttatgcattc ttagaaacca gat 233
```

<210> 2675

<211> 547

<212> DNA

2051

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<400> 2675

```

gatngtatnc aaaccacact aaaggnaaca tangctggag ctccaccgag gtgcgnccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcttttc cattaataag 120
aaggaggaaa agagaaggag agcaagagaa aaaaaaatta cttatatgt ctgtcttctt 180
atataagaaa gtgacaccat acaaagaaac aactattcag gctggtgcta gaggggtggg 240
gagccgagga atccctgggg agcagtcaca gggaattcca tccaaaagtc caacatgcag 300
tgaatatccc acaaagtgtt gtggtgcctc tgcagaggta gcaatgttga acgcctcgag 360
tattcccgga tgattttgat taatttcctc attccttttc tcttgagtcc agatatcccc 420
agcatagatt gcttcccaca tagtatctcc aattttaagt aatatatagt ctaatatctg 480
tttctttatt ggctaagtgt ctttctctgc gtctcctcta tatcatcaat agtcctctgt 540
catcttt                                     547

```

<210> 2676

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2052

<222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (41)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (44)
 <223> n equals a,t,g, or c

<400> 2676
 ancctcacta aggggaacaaa gctggngctc caccgcggtg ncgncgcgtc tagaactagt 60
 ggatcccccg ggctgcagga attcggcacg agctagagag caacatgac aagctttgcc 120
 tgtagaagag taactgagca tcgtgtgcag aatggatgag agagaagcag cagagagaca 180
 gcaaggccat tcagcaagct caggtggcag gtcccatctg atggaggaga atcaattcaa 240
 ggagatgccc ttcttttaca gaacaccctt taacagcatc caggaggaac gagaggctgc 300
 aatactgagg ctttcaaagt actcacgagg atgtccgaga atggctgtga tgccaggctt 360
 ctggcagggt ccagactcca tcacaagccc agcatccctg caccagatct gacatcgctg 420
 ctgttggtgcc agctgtttat gaagggcctg agtagctagc aggtttttat caggagccct 480
 gctgggggct tagacaccaa aagagaagtc tcatcctctg tagttcttct tgtgaatgtc 540
 cttttagaaa aacaattaga accaaccaca agcaccaaag t 581

<210> 2677
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (27)
 <223> n equals a,t,g, or c

<220>

2053

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<400> 2677

```

nanagccaac cngtcactta aagggancaa aagctggagc tccaccgcgg tgcgnccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gagggccaac gctggttcta 120
tccctgcttg ttgctttttt tttccctccg cttcttgcca cggagactgc tgtccaggaa 180
gtgcgcagta gtgattctag agaggctgga agctctcctg gcgacgctgg ggccgcgaag 240
ggctcacgta atgactccta ctcttggtga gcgcaggcgt tgcggaactc accgtcccac 300
aggacgtgtt tccgggggta cattaattgt ggctggacgc agtggcgcgg cagtttaatt 360
ctccggcggc tgcagattga cgggacgaga tggctcctggc agggctcatc aggaaactcg 420
gtcatcagct ggccgagatc agggagcgcg ctctcaagag tattctctgc aagattgagc 480
acaacttaat ctgctacgct gatctcatc aggagaggca actttttctt catttgctgg 540
aatggttcaa tttcccgctc gttccgatga aggaagaggt tctgaacctg ttaagcagat 600
tggttaagta tccccagca gtccaacatt tggttgacgt tggtgcagta g 651

```

<210> 2678

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<400> 2678

```

tgaacatgca gtatatgttc agatagaaaa aggaagtgcc agaataaccc agcttttaaaa 60
aggtcttcag aagaaaggaa gtctcacttt ttaaaataaa caaatgagan agtggttttg 120
angaggagca gaaaatggag caacttgatt ncagagcact cgctcccctc gtgatgttg 180
cggccacacg cacctgcgac ctctgtgcaga aacgtgcagc agtgctttcc agctgggtggc 240
aggtgatgta catggtacgg agacagaggg acgccatggt ggcaggtgca gccgtggtgg 300
agagcacagg gcgacactcg gcttgg 326

```

<210> 2679

<211> 343

<212> DNA

<213> Homo sapiens

<400> 2679

2054

```
ccatcctgtc ctgccaagtg tacatctcgc agatcctggt ggcctctgcc cttgggggcg 60
tggtcgacgc cgtgggggact gtccgcgtca tccccatggt ggcctctgtg ggctctttcc 120
tgggcttcct gacggccaca ttccctgggtga tctatcccga cgtgtcagag gaggccaagg 180
aggagcagaa aggcctgtct tccccgttgg ccggcgaaagg cagggccggc gggaacagcg 240
aaaagccac cgtgctgaag ctcacgcgga aggagggcct gcagggaccg gtggagacag 300
agtccgtggt ctgagccgca ctcccgttta cacacattcc agc 343
```

<210> 2680

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

2055

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<400> 2680

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gttttaagca tgtttattca taaaaacaag tcatngntgt attttnnatc ttttaagaatg 60
cttaaaaaag ctaatcccta aaatagttag atctttgtaa atgcatatta aataataaag 120
tatgaccac attacttttt atgggtgaaa ataagacaaa aataatagtt ttagtgagga 180
nggtgctgag taaacataaa aactgatttg ctctcagctg atgtgtcctg nacacagtgg 240
gaagatttta gtacacactt agtctaactc cccattata cagatttntc actatatata 300
tnactagaag gggctaangc atattcaatg tattgagaaa cnaaagnaac caca      354
```

<210> 2681

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2056

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 2681

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tagtggatnn ccgggctgca ggaattcggc agagnccaaa aaagtagttt agcaactttt 60
gttggtagtc naccatcgcn agggccatag tgtagagtgt gaaaagctac cgtgaaacnc 120
agtaatccta ccctgcaang tgantgccct gccaga                               156
```

<210> 2682

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (60)

2057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

2058

<400> 2682
aggcctgcnt ccagggctgg nctgaaggcc tnacccctcc tgengaaaag ctggccgcen 60
aaanaatgtc tctnagagac tgcgagaacc ttttaatttt tncgggctgg ttcggatttg 120
gggtggattt tggttttntt cccctctctc caatntcccc cacccttcc ccgncctttt 180
ttttttttt ttnaaaann ggttttttat nttgaaatt 219

<210> 2683
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<400> 2683
cctgccgccc ccagctttgc ctggacactg acttcattca tggctctcct acttcagggg 60
cagcctccca gttcctctgc ttccaaacta tgcaacctcc aacctgctcc agttccagac 120
tgtataacct ctgacctgca ctggttctag accacaacac cagattgtac ccagatagct 180
ggggattgga agtgaggagg tttctcacc cacaagataac ccaagacaca aatgtgcaat 240
taaaagttta ttttagacca caaaaanaaa aganaaann 280

<210> 2684
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

2059

<222> (253)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<400> 2684

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ggcacgagga aaaagcccg c ttcagaaaag cttgtcatta tccataggat acgataactta 60
atatttacgct tccttatttc ttaggtgggc cacaattagt gaaaatctgt ttgcaaccac 120
tggttatcct ggcaaaatgg caagccagtt tcaaattcat catttaggac accctcagcc 180
catcctcatg gggtctgtag ccgttggatc tggactgtcc tggcatcgaa ctctccctct 240
gtgtgtaatt ggnagggaga ccacaagctg ttgttttggg tgactgaagt ataaagtgtt 300
ttcnagtacc ttagattcac aaactttgtn tttttagtag anatttggaa gaattccnat 360
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2060

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ctggtagcca cagacggttg actcaccaat cacagctatc cacgctacag caagantctt 180
acacaaaaaac ctaacaacgc ttacaatttt tttggggtga agtccacaag cttggtggta 240
gattaccaag agggactaca tggaaggaag gcggaatgtc acaggaacta ttctttggct 300
cttnggggtgg gtgggtgtcc tgggggtttgt atcacagcta cctttttttt ttttttaaac 360
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acttagagct cttcaatcct aagattttca tgaaaagcct ctcaactgaa cccaaaccag 180
agtactctta ctgcctcttt tctaaatgtt caggaaaagc attgccagtt cagtcttttc 240
aaaatgaggg agaaacattt gcctgccttg taataacaag actcagtgct tatttttnaa 300
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gggcgcacca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg agcgcacgtg 180
ttaggacccg aaagatggtg aactatgcct gggcagggcg aacagaggaa actctggtgg 240
aggtccgtag cggtcctgac gtgcaaactc gtcgtccgac ctgggtatag gggcgaaaga 300
ctaategaac catctagtag ctggttccct ccgaagtctc cctcaggata gctggcgctc 360
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ttgg 424

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ctttaaaaag cagaaacaaa accagaatta accccaaaac atgttgattn agtcactnct 180
atgtcactgt ttggcataac tctccttttc atgtcacata ttcttgtcgg ttctagtgat 240
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aatgggcata tatatagtag taataattgc tactgtgtac atttgtttta aaaaatccta 180
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gccgtcttca tcccatgctc ctccccacat ccactacttt ctatcattt cttaaagcatc 180
cttgagtggg acttttgtct ttctccngag aggggagctt agcgcttgng gttnttgagg 240
atggtttaaat agaggggnat gtgnntagct ggaacccaaa ctcttggtgn nttgggtgtga 300
cccttgtnntt acacaatggt ngctctatggt ggattgggtn cacngaggnt tnnngtnna 360
tnagntttna aattgtnnat tgtgntagnn gaagttncaa aagtgttttt gaaggtaanc 420
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 ggggtnggtc atttaaacag accactcctg ccaaacagcc tgcggtgggt ggaacaggaa 300
 ggacttcctt ggcctcgtnc acatgggaga aaagannttt ttttttcccg gagacatggt 360
 atagttggan tanttnatta cattattttg ggttgnccan tttttttaaa aaacagttan 420
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2071

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atacgnannn ncaattatgg gttttgtaca ttttnagggt nccctngnng gggccatttg 420
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tatctttctca gagtgcagtc tgggtggggaa agactgaggg acccaggatt ctcatgggtgt 240
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tngcaacatn gaaggnncct tgggggnccc agagttnngg aagggngnga ntttcccaa 420
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gtgaaataaa agcctgcccg ctgctgcctc tgagactcag ttattagtag ccatggaagg 240
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cccatatgng ggaggttaaa aaaagtnaat ttcgaaaaca tttttttaat ggccttaact 420
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atcagtccat gatgagaact ttttctagac cctcttctgg gctagaattt ggttttcagt 180
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gcatcatgtt tgcaactgtc ctgttgaacc aaagcaaaag tttcatgaac cagcctaggt 180
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2088

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agacaagggg aatttgagaa gtaagaagat tgatatggta atgcacacac ggctacattt 240
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gaaactaact gaagtttttt cttttccatt gcctaagact ttgttttgga cttatatagt 360
attattaatt accnccagtt aacttccaca tggnnnttat tgcntngnn ncggtagttt 420
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2117

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agatccaggc ccattcggcc ccttctttcn gtggnttccc cgnnttttggc cttcggggtn 360
tttttagggg ggggttgggn cccccgggt tnggcctnca aanttnngtc tttngncccc 420
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ctgttncttg gggcttcttt tgttggtgta attattgtgg gncaagntng gcnnnnngntt 360
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 cctgttcttg ttttactcat ctttgggaaa taatcctagc agctaggnat caggtttgaa 180
 taactaatng gatgattaag tgaaatattt ttaaactaat tcagcgtnta ctccttttag 240
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 tgnaaaaaga caattcttta gcacataaaa acttattact tcgtgaggat agaggaaaga 300
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cctcattttct ctcagaactt tgggtgttaac agcctgnttn cctccttttag gggatgactt 180
tgaacttagc agatgnctta catgacaaag gaaactgtga gtaactcctt aaactctcca 240
ctgtgggntg acttgcttat natcaccaaa ttattattgt tttcccaaaa acgnatctcc 300
tngtggatgg tccatggnaa ccnnttttnn nccagngggn aatntnnggg ggttangggg 360
ntttntngnn tnnnttttgg gggatttttt gggcccttnn ttttggnttt ncccccttn 420
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tcgctcttgt gccctagcac cccgagaact gtcagtttga gccagatgga agctgagctg 180
aacacattac gatggatgat ggaaacataa gactatcaag aaatccaagt ggtaatgggc 240
gaatttattc agcatccggc aatggactta tcgtagtttg gggaaacggg gtgtttccga 300
taatntcctg gagttatcag gacacctttt ttaaatttgg ggcctgattt tngtaaaagt 360
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ttttnatgga agtagtacgt atatttggcc cccagggacc tgagaatccc cagtgtctcca 180
naggagacac tctgcagaag aatgtntgtn ttccagaaaa gggagtaggt cctctggtgg 240
cagctgtctac tgtgccagtt tatatggggc cagttaagat tagnggctga ttggccagct 300
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ncccntggga accc 374

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2142

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atgggggtgct aaaggaatgg gaacgtgaaa ggccttgacag aggcactgct acaagggtcca 180
tgaaccgcag tgcccaccgt agatnaantt ggaggacttc atccaacaac attnaacagt 240
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gncagtgggg ctggctggna ctgtgccagg cgaagggttca agggatggag gtacagttgt 180
gtngaaaggt ggagcctngc tgggaccggg gnagcttttc ctccaaggcc tncgcctggn 240
cttatgaatg gncgttnagg ggttgagggn gaaagctttc atccccaaaaa tggcaccagt 300
taacttgggg atgttcaaga atgnatgggt tggctggntt cttcagggat tggngttcaa 360
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 acagtgtcac ctgccagcac cacagtgccg ggccttagtg aggaatctac caccttctac 180
 agcagcccag gctcaactga aaccacagcg tttnttcaca gcaacacttc agcctatccc 240
 agagaaaacg gcacagggaa cagtatgatg tgcttcaaga gtgancgaaa ggaaggcacc 300
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2147

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atnlnactna ccccatcac acattgcaag cagcactcac ttctttggaa agctgagctc 180

2149

tgcacgcaac atgctgcccc aganggnaag gaagcagcac tggagacctg tgtttcgtaa 240
ctaaccaaga taagggcatt tttttccaaa tgtctgtgga ggggggcaca caattttnaa 300
ctatttactg ctgtnaaccc cattttttaa agtgtagtct gtgaagccat ctgnaatcaa 360
agttctcttg caaaatccng gccaaaatcc agacatactg aatcagaggg tcagggtcca 420
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tatcaaattt cttttccctac atttggtgaag ggtgtggcat tgatacccta ctgggattat 180
aaattggtaa tgggtttttg aaagcagttt ggtaatatgc atcaaaaact gttgacattt 240

2150

ttcattcacc tttggcctag taatttcatt tctgagcatc tcttctatgg gaactattcc 300
taaatattgg gaaaagcttt tatttatggc atgaagatgc tccattggag ntattattta 360
taattngggg aanttaancc ccagttgtc ttaccagggg ggggnttttt taaatt 416

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2151

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gtagtgtntg tctagatcat gnattacatt gtagggatta taatcggnaa atnaaggtaa 180
ataaaagtca attctgctaa acagttgatt actattccca aagggaagaa tctcatttga 240
ctntctctct ttttaaaactg agttnaccag aaaggntgaa ataccaaaga aggntaaatt 300
aanatggcat tgctggggaa a 321
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<220>
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tagataaaaaa cttgggggctt ataaaaagag cacctacaca ctaataaatt tcagaatata 120
tcagattagg cattctagtt tgagaatgtg cttganttgc atttntgttt ggatgactta 180
ttaaagaaac agcactctgc cccaaccaa ctaatttct catgccctgc aagtgccagt 240
gtatccattc ctgctttggg ttttntctna tgtctccaa tttcccataa tggctccttc 300
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<210> 2726
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<220>
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<220>
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<222> (240)

2153

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

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<220>

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<222> (360)

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<220>

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<222> (405)

<223> n equals a,t,g, or c

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<222> (423)

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<220>

<221> misc feature

<222> (426)

<223> n equals a,t,g, or c

<400> 2726

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ctcttatgtg ggatctgttt ccagttagat gccattattt tccttttcct tggtttactc 120
ttccacatat tggtaaagct cttccaatag cttttggnaa aggaaaaatg naaaagtnaa 180
atgttttgna atctctgtgt gtttgacaat gtctttattt tacccttata cctgattgcn 240
gttttggttg gcaagggtata gggattcttt agtgggtctcc atgcccagtt ttggaagaca 300
tctgctaagc tttccagtgg ctgttgctgt gggagtctga aaaatctgtc cttnctgggn 360
ttccaggggtg gactactgga aattggaagg ccattctgtt ccctnccctt ttggcaaaaa 420
aanccntttt taaaccc                                     437
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<210> 2727

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

2154

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (347)
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<220>
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<222> (353)
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<220>
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<222> (372)
<223> n equals a,t,g, or c

2155

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 2727
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tccaaccatt gtcctgagtc agtgctgtgt agtggtgttc acatacccat ctaggaagtc 120
tcatgaaggc agcggctttt ggatattaaa gaatgtaaca gagtttttaga gagtgccaaa 180
cccaaggcat acggactttg aattttatct gaccggcact gacatgctga gactttcaga 240
ttgggaaaagc catttggtgt tactgccatg tntgtnecca aattcttccc gtttagtttt 300
naaaaagnncc aaggaatnat ctttgggttt aggttaggct ttgngtncta ggngaatttt 360
gggatgggtt tnnacatttt cctggcccat aagggttttt taaaaggang gnccttttgt 420
tntcccaggn tttacacggn atttgggggg ggggttaaagc cccctggca caaaat 476

<210> 2728
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (131)
<223> n equals a,t,g, or c

<220>

2156

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2157

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

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<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<400> 2728

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ggcagaggggt ttctcctccc tagtttctgt gtctgtcctg ttcccactgt ccctcttgcc 60
tggtgagcta gagcacttaa gttggcataa agtgctgctg caaaaatggt aggggtataa 120
caatttgatga ntatgaaagc tcgcattaat cttccagtgt gtccatctaa gtaaattttt 180
gtgggtgcat ttntgcttgg gctgcaaaat aaagctgatt ttnatttcca ggnngtacct 240
tttctccctn tncaagttta ttatnnttgn gttttgcatt ntgtgtttta gaaacaacca 300
accatttnga cncatgtaac ttttctttgc ctccccccagt tttttgggtc tttggcaacc 360
cttgtgggnc atgtgggcct tgat                                     384

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<210> 2729

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

2158

<220>
 <221> misc feature
 <222> (218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (276)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (283)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (316)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (326)
 <223> n equals a,t,g, or c

<400> 2729
 ggggcgaggg agcacatggc aaggggaatga caggccaagg tggggcccag aggctgntta 60
 aggaggcaca gactccctgg tgggaggctg gggccatgag acccgtnctg cactcaggaa 120
 gccacattgc aggcagactt ttttagatga ggaagcactg cccagagtgc ctcgtttccn 180
 tttttttgtt ggaattggaa atgaatgctt cccatcantc gcaagcttct gtacgttcac 240
 tgtgncttga cattgtggac ttctaaacat tatttntecg tgnagegaat cctttcaagc 300
 ctggtaaggg gacttnacag cttgtn 326

<210> 2730
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

2159

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)

2160

<223> n equals a,t,g, or c

<400> 2730

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ggcaccgagca gtttttagatt tnatcagttg gtctattttg ggatttgaag attaagctgt 60
aattcctcta cctctcctct aagcgcatat cttcctctct nattttcaca gtagagtga 120
gttacatcac actttctggt taagtttagca ttcaatattt atactatttt nactctgtaa 180
atactattca caactggaat gtgtggtatc tgaattata ttnccttttt nggtccaatt 240
ttnggcttga gtttttttga attaataata ctgccttatt atttnatttg tntgagtggg 300
tctatatagc agaagactgc ttattatagt ngatattttna aacttcccag aacagaatga 360
catgnnttta cactccaggc tgtcc 385
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<210> 2731

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

2161

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2731
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caggaagtcc cagaaatatt tattcttgtn actctcacia aatggaaaag ggtctcaatt 120
tttgtttctt taaggaactt gtgttctgcg tctgtgtcta cactgcctcc tctcaccaac 180
caaattgtct agccccctc cagttacgct agaactctgc tttatcttca aggaagaaaag 240
ggagtnggga gaagttaacct ctnaaacct ccagcatggc catcaatttt tttggaataa 300
tttgggaggg tcaacatgct tttgggaaaa gtgttttgga aaacgggtttt gggggggttg 360
aaaaggaaat nttttgcctn aantggncct ttaacttcac gggngtgacc cattcaa 417

<210> 2732
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2162

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (343)

<223> n equals a,t,g, or c

<400> 2732

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ggcacgagcg gcacgaggca aaactctgtc tcaaaaagaa atgaaagggt tacctgttgt 60
taaattgatga caancagtat tcatgaacat ttgggtttata caagatttac ctttataactt 120
aaccaaaata cttcttgatg taattattat gtcggtaaaa ttttaattagg aaatttttta 180
aattccaaga aaatattttc ctgtagctta agccattata tttgggttcag tgcttataaa 240
agcaaaaagaa taatttgtca ttcatttttt aaantagtggt tttttccaaa ttgancant 300
aataccaaca tttcatccaa tgggttacct cncctctgctg ggn 343

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<210> 2733

<211> 496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<400> 2733

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ggcacgagca ccgcgcctag ccagttttat tacactgctg tagtcagtgc ctacaaattt 60
tntcatcct gccctttttg gccaacatta gctttaatca ttatcctaaa accaggaagc 120
tcaatctacc atgctttcat ccttgaaata aatttgggaa gtgacactca ggtcagaata 180
atztatgggtg gatggagaca ggtgagcagc aatggaactg tcaaggggga ggatttttcc 240
actaccctct ggaggggtta gtggagccct gttgtatgaa aggaactttt aaaaccatgt 300
gtgtctctca aaggggatac ggctggataa ctagtggnta ggcagatcgt ccattaaaga 360
tgggatatta gatgtctaaa attttaattc ctaccagtaa accctgtgat gatgggggat 420
tattaattcc ccattttttac aggccattta attgaagggc tcaggaaagg ggtagtngg 480
ctttttntt ccaaag 496

```


2163

<210> 2734
<211> 347
<212> DNA
<213> Homo sapiens

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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<400> 2734
ggcanaggna gaccagaccc atcagaantc cagacgacag ccaagcatgg ccaagaaagg 60
aagtgtcttc aggcctatgc aacagcctgg tgggatctca cagtgggatc ctctcaaga 120
cctcatttgc ccctgcctac aaccacaaag aattcaaggc agttcctacc aggaaacaat 180
gtgagatccc agagtcctga gactgggatg gggttcttgg aaagtgggtc ggactgcctc 240

2164

ttgtggaaga ccctgcccag agccccctgng tgtgaagcac aagcagacca ggacccaagc 300
aattggntcc catgnaaact tttggngccc cnattggtta agatttt 347

<210> 2735

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (489)

2165

<223> n equals a,t,g, or c

<400> 2735

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ggcacgagct tggcctgtca gctgtncatc tgtaattcan cctgcnttat tcataatgta 60
actgaagctt gggggtgggg aggtaagaat agaaaaaacg gattcatgtt acagtgtggc 120
agggtgcagga gatggaaant ggcccagttc attgagaccc ttctggcctt cccatactat 180
ttgaggaagg aagagcagtt catgtgaaaa attgaacaac aaacctgtct tccagacttt 240
ctcaaacata ccaaacttta tggggtgtgt gccatttctg gcatgcaggg aattctggat 300
atgccagggtg tgtttggctg cttgactcca cttgaaaggg gaaatgggct ctgcntttgt 360
actgtgggca gttgggcaaa ggactttgac ctctgtgttc caattttggg acagggaata 420
gtgccagtct caacatgcag gtttctnggc ataaaccagc gggttggtag ggaaaataac 480
cncagtttnt gtttagacac t 501
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<210> 2736

<211> 75

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 2736

```
ggcacgagct gccatctaaa atttcatttg aaataagtat tctnctgctt tcaaaaaaaaa 60
aaaaannnttt tnaaa 75
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<210> 2737

<211> 86

<212> DNA

<213> Homo sapiens

2166

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<400> 2737
cggcagagcc acaatgaaca gtncacttaa tncctgggt ttccaataa acagtttnaa 60
ggatataant nggtttaaaa aataat 86

<210> 2738
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>

2167

<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<400> 2738
agaggggncg catccatggt taatncacac ccnctgtcta tnaacttttg gaatcn 56

<210> 2739
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

2168

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2739
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atagacctca gacaagtaat ttactcctg taagcctgaa tttntttata gtaccctaac 120
tcataagatt ggtgagatgt ttacaaataa cctaagagaa gtttcctggg caaagcctga 180
cttacagggtg caaggtaaca tgaaattact gcactgagac agatttagtt ctgagtatgt 240
ttatgccact tagcctatgt ttgtatataa attgtacaga atactttatc aaacaagaat 300
agagtataca ttcttctcaa gtcatacag aacatttcac caggttngnc cacattctgg 360
gncctagggtt acaccttaac caattttaaa ccggttaaaa gcttncaaag ttgtttctca 420
gncncatgn tatttaacct aaaattcacc accnggaggt taccgccgtt 470

<210> 2740
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (335)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

2169

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<400> 2740
ggcacgagca gctgtctaag aggttggaaa atnaactact caagatagtc acgaaaatac 60
tgaantttga ttttcctttc catatttgaa ttaatttttc ctgtttgact ggaagggggtt 120
tttgataaac taaaacctca gcgcataaag gagatttaaa aggagcacat gatttagtgg 180
gtgggccatg aaactagaga tgggatttgg ggggtgaattt gtcaatatct ggattttaat 240
ccagacatct ctgctaacaa gcctttggta agtcacttca gatacttttn cctccttttt 300
acaaagagag ggctggctta gttatttgcc caagnccctt tccaggctgn attnccacaa 360
gtacggttta ctgtantgtc ttatcancct ttcaag 396

<210> 2741
<211> 406
<212> DNA
<213> Homo sapiens

<220>
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<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
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<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2170

<222> (275)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
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 <222> (339)
 <223> n equals a,t,g, or c

<220>
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 <222> (342)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (352)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (391)
 <223> n equals a,t,g, or c

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 aacatacgct gtagttttgg tatagtttag gcttactgag ccactttnat nagtcctggg 60
 aattgatggg aacactccta aaatcttaaa tntcacaaca cctgagaaac aagggccaac 120
 cttgtaaagc aggcctccaa ggagagcagt caagcctcct atgttaactc ttctgtatga 180
 ctatatataa tagaaagtga atgatgttga aagtccatta agatttatcc ttgtnttgaa 240
 acctccatat ctagaagtgg aaacatgaca ggggnatttt gacgtaataa aagggaaaac 300
 tattgaggtg atactgatac ggntatatat tgcactctgng gnaacagggg gngttttccg 360
 ttaagattac ctggcaaccg ttttttgggc nttatggtcc cggaac 406

<210> 2742
 <211> 85
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (35)
 <223> n equals a,t,g, or c

2171

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<400> 2742

ttcccgatcc accgtcccca tcgtgggcat tngtntctggc ctggctgtcc tagcagttgt 60
ggtgatcgga gctgtggtcg ntggc 85

<210> 2743

<211> 135

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (70)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2743

2172

ggcagancgg gcacgagcnt ggggggtaccc agcaaggagg ccacgggtgcc tgacctcaag 60
cncaaanctn tggaccagat catggtgaca gtttaggcag ggcccccaag ggagtggcan 120
ggagattgng gccct 135

<210> 2744

<211> 75

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<400> 2744

ggcanagggg aagccattaa tgnactaant cgttttgacc acatatatac caagncccta 60
gncttagaga taccc 75

<210> 2745

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

2173

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

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<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

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<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

<400> 2745

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ttctggtgtc actaaaaatg actatagtgt ccagtgtctc tnatttccat gtgaatctac 120
aattggggac cccctccaa aaaaggaaaa gtnaaggcag gatgagggaa aggaaagagg 180
naaaatntga ctgcataggn cccaaagggg ttcctctaata tagaan 226
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<210> 2746

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

2174

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<400> 2746

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ggcacgaggn agaagcagga ggtcattaaa gaagaccatc gtctttgggg tttgggaatt 60
ggcacaaggc atataaccca ctgattctct gatgtntgac aggtgagtag ctcaggccaa 120
gtgaactggc ttcctcatcc atctggctct nggctgagct gggactacag ccaagtttcc 180
acactctgtt taaataccta agagaaagag atcacctgc acggaatgag ttgacctaa 240
aggagtgaaa gagataaaca aagggatctt tgttctgna tttccctgga aggggaagcca 300
aatggcaata ggggagatgt ngggtatgga cacatncccc agagcagcca gcangtggnc 360
acc 363
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<210> 2747

<211> 54

<212> DNA

<213> Homo sapiens

<220>

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<222> (13)

<223> n equals a,t,g, or c

2175

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<400> 2747
cctgtcctaa tgnnttttaa ggtaggggat caaaancctg ggcttaatgt ataa 54

<210> 2748
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
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<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
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<220>
<221> misc feature
<222> (137)

2176

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<400> 2748

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aatttncctt ttaaaagcct gtggaganc t agaggngaaa ancttttaaaa ggtgatgctg 60
gggcagtaag tgggggggatg gggagctggg ttccccggnt tcaaaggggg tgtttttaga 120
gacatgnatg ttttggncac aaagggcanc aanggggt 157
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<210> 2749

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (213)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

2177

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<400> 2749
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ctagcagtat ttttgtaagc nagtttttat ttgatgttgt ttgctattat tgctgtctgt 120
catataaggt cgnaatctaa taaaatatct gnggggtaagg gaagctggga gaaccttgga 180
gtcttatata tctagtgaat atcaaatagng gantttgaga atgtcacatc aaattttgtg 240
tantaataac attgggttcat atttaaccca ttacataggt tgatttttag ggngctatgg 300
attgnaccat ttgaaatttt natnanggae aaccatgggc cgga 344

<210> 2750
<211> 382
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature

2178

<222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (150)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (248)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (301)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (320)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (368)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (370)
 <223> n equals a,t,g, or c

<220>
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 <222> (380)
 <223> n equals a,t,g, or c

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 aatttgaatt taatcctgac cacttaggaa gcttgatgct tgancttgcg aactttaagg 120
 gctggatatg ggagggaaaa gaagaataan cataaaaaatg aatcctacag taaaaacaca 180
 ggacccaaaa aatcttttta tttaaaaaaa ttaaaatgtt tgtcccata taagtttctg 240
 ggcttgtntt tctttccgtg aaatataaac tttttggcca gcttttaagc agttgccagt 300
 naaaatgggg gggttaaaan gggaatttgg gtttagtgcc aaagagttgg gggtttggga 360
 atgggggngn ttggaagggn aa 382

<210> 2751
 <211> 235
 <212> DNA
 <213> Homo sapiens

2179

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
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<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
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<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

2180

<220>
<221> misc feature
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<400> 2751
ggcanagtag ctgcangntg aacagcagca cctactttat taccatctta ctgtcattca 60
aagaaggcag agctgaatgc nggagaaaaa ctgagtacta gcaacanttt ttgaaacct 120
ggnatactgt cataactgag gctagtaatt aatccctggn acttgtttgc cactgaaaat 180
ntccttgttt tgnttaccct ggttttcagc tnggnaccct ggatcacttg gaagg 235

<210> 2752
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

2181

<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<400> 2752
ggcagagggt ttttnaacag catctgacaa gaaaattgtn tctctatggt acactcctaa 60
gagtagtgcc tttaaggaga gtcagactat cacatatctn tccccgctac ttttcccacc 120
tntccaagca ggcttcattn atgtttactt aggtttcana tccattcaca ggggcacaga 180
ctcagtcctc agtgnaatct tgaaagntta ctgggttcatt attgcacact tttattagtg 240
cctgtnantc tgtttgaaga atgggttttn attaaacact ccctttgggt aaatggccng 300
t 301

<210> 2753
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)

2182

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

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<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<400> 2753

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agctttcttg agtggctcct cntgttagga gcagaagccc ggcctggaca cccctcggcc 120
tgggacaccc ctggaaggag agggcgcttc cttgaagtag gtgggctccc cttggccctt 180
ccntccctat nactccatac tgggggtggg ctggaggngg ncacaggcan gctnattgta 240
aaaacctttt tatttttagta aaaattatac agaagnttaa aaaaaaaaaa aa 292
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<210> 2754

<211> 121

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

2183

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

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<220>

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<222> (68)

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<220>

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<222> (95)

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<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2754

cagttcctnc cgtgatnadc cctacccttt tccacatttt ctntaaatgt ggggtttttt 60
ttttgttngc ttggttttga ggggtagagg ggaanccct cncngattgc ccctttaaaa 120
a 121

<210> 2755

<211> 97

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

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<220>

<221> misc feature

<222> (67)

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<220>

<221> misc feature

<222> (79)

2184

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<220>

<221> misc feature

<222> (88)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<400> 2755

ggcacaggna gagagagaac tagtctccag tttttttttt tttttttttt taaaaattgg 60
gggggantcc tggggtttna aaagggtntg gggcct 97

<210> 2756

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (62)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

2185

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<400> 2756
ggcagacctg tccccaaaggn ctcttcctta ttatggcagg gagtngggat tggncctact 60
tncctttctct ggaaaggaaa gcctccaana ntccatgtcc ttgggcagct ttagaaggcg 120
ttnagaacca cgcctagcag gnagaccttg aagctcacct ttagtctatc tncagaggga 180
ttcanttccn gcaca 195

<210> 2757
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

2186

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<400> 2757
ggcagcaggt tttttttttt tttttttnat ttnaatnggg ntttattttt tt 52

<210> 2758
<211> 70
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 2758
ggcagagctc gagttttttt tttttttttt tcaaaggggn ggngagggtta ancggggttt 60
atcgttana 70

<210> 2759
<211> 392
<212> DNA
<213> Homo sapiens

2187

<220>
 <221> misc feature
 <222> (276)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (289)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (329)
 <223> n equals a,t,g, or c

<220>
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 <222> (338)
 <223> n equals a,t,g, or c

<220>
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 <222> (367)
 <223> n equals a,t,g, or c

<220>
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 <222> (381)
 <223> n equals a,t,g, or c

<220>
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 <222> (390)
 <223> n equals a,t,g, or c

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 accaggataa tcagaaaata tcccaaagcc ttccaaagag agaaaaaaaa agtcacatac 120
 aaaggatcag gaatttaaat ggcgctgaaa ttctcaaagc aaattttgaa gtccgagcac 180
 agaggaagca agagcttctg aattctgagg gcaaacaatt tctaagttga cttttctatc 240
 cagctagaac ttcgtgcagt gtgaagttag aatgangtat gttcagacng tgagttcttg 300
 aaaatatcac ctcccttgcc cttttttcng gcagttantt aggttggtgct ccaaccaaac 360
 aggggggnaaa ccagggaat ngggcacagn aa 392

<210> 2760
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>

2188

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<223> n equals a,t,g, or c

<220>
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<222> (19)
<223> n equals a,t,g, or c

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
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<222> (29)
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<220>
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<222> (46)
<223> n equals a,t,g, or c

<220>
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<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
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<222> (81)
<223> n equals a,t,g, or c

<220>
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<222> (87)
<223> n equals a,t,g, or c

<220>
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<222> (100)
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<220>
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2189

<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
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<220>
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<222> (129)
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<220>
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<222> (163)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
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<222> (258)
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<220>
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2190

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

<400> 2760

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ggcanagcca atccaaatna tntccaggnt ttaggagcta cccaanctcn ggntatatgg 60
tggtggtttc catattttgt ntgttttctt atttccaaan tagcctnnct tggtaactaca 120
tggtaaaagnt caagctnttt ttctancccg atcaggggatg tanctcttcc ccgtgtcttn 180
acagtgtccc naagnaagtt ttttggcagc actctctggt agctgcaggg gtagtgaaat 240
ttggtccaga gaaggcgnga nggaaatagt ttncctgttn cctagctctc cgaggtcggg 300
tttttct
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307

<210> 2761

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (131)

<223> n equals a,t,g, or c

<220>

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<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

2191

<221> misc feature
 <222> (392)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (397)
 <223> n equals a,t,g, or c

<400> 2761
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 gatattttgc agattttctaa atgcatttta ttgcatttag aaggggaattt tgtagtattg 120
 agaaaatgca ngcaaaaaat gaagtagaga tacaatgtcc atttaactca gaacaaaaca 180
 accttatttc cccatagttg aaatggaggg cggggaagtc aggcagtggt ttctgaaagc 240
 caagaactta gtagcactgt gccattctct tgcctgatcc agtgccattc ccttcacttg 300
 atatctgttt acttttagagg aggcagtttt tgagaaaggn tcctaaatat ccngggccca 360
 tgnccccagg ggctttggac caggcaaagg ancatantgc cctgg 405

<210> 2762
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (71)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (288)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (320)

2192

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

2193

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (475)
<223> n equals a,t,g, or c

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aacgctgtgg naaattcctc ataagaagac ctgtactaca agatacatgt ttttacatca 120
gtacatggaa cattctcgaa gatagaccat atgataggcc acaaaacaag tctcagtaaa 180
ttaagaaaa tcaaaattat attaagtact ctatcagagc acattgggat taaaattaga 240
aaacaactct naaaaggaac ccttcaaaac cataaaatat gtgccagn gn cacacatngg 300
cttcaaatta aggggttg an ggangttcta ccagccgntg gnaagcaaan annggccggg 360
gnttncaagc ccgggttctg ttaaaaccgg cttttaacc accangttcc aanggggncca 420
gncctttcct tatggttaag ggggttcctt ttaaccagg ggggttactt ttcncgg 478

<210> 2763
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

2194

<220>
 <221> misc feature
 <222> (353)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (379)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (403)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (441)
 <223> n equals a,t,g, or c

<400> 2763
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 ttagttactc tcacccttgt tattatggaa ggtaaaattc ctggatccta gatttaattt 120
 taaaatagtn aatttaataa tgtctgggtg aaacctctta aaaaaaacac tttgcagcac 180
 atctctggta gccctgtgct tngaatgac ttttaggctg ccagttcaga agatggaaga 240
 tattaaactg tgttgatgga gttgggtttt ccagtgggac cctgttaggt tcctttttta 300
 aaaaaataat aattttttat aatgggtatg tcttcgtgag nccctcacia cntgaggtt 360
 tttacttggt tgggcnganc aaggacatg aacgttttaa agnccgttcc actaacattt 420
 acgggagggg gcttaaaggg ngc 443

<210> 2764
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (42)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (46)
 <223> n equals a,t,g, or c

<220>

2195

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<400> 2764

ggcagagaaaa aagagtggaa tcatgtaaaa ttctcagtta anccancaan g

51

<210> 2765

<211> 117

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<400> 2765

gngaaagacc tntttcctgg gncctcncct gtgtagtctc cttcaggact tattgtgctc 60
agtgaacatc cantgctggg tgcagctcca tgcaccctgt tgtntgttta catgtnt 117

2196

<210> 2766
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (393)
<223> n equals a,t,g, or c

<400> 2766
ggcagagcgc attcaacttt ctaaacaatcc ctcagactga cccacatctt tctatccact 60
tttaacatct tgcttgaatg acttccccag gccagccag tctccgcct ccagctccgc 120
ccccttctga actcccttta tgtggtacaa tcagagagcc cttcccaaag cacaatctg 180
ctttnactgc tttgcttcaa gcccttngt ggctcctatt tccagctgga tgagggtccaa 240
gcctgtnaac gtgctgtacg tgttacatgg cctgaccccc cgttaatttg accagccaag 300

2197

ttttcttaca tagcgttggtg gtccttttggt tccttctctgc ctagaantgt cctttcccnt 360
ttnattttgg ttttnagggg tggtgcaaaa ttncta 396

<210> 2767

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2767

ggcanagnca ataagggctg ctttagaatt aggttatatg gcaaacattt tttctaaatt 60
tagtgagcta aatctcaagt tccaagggtta tgctataagt aagagaaaaa gcactttatc 120

2198

aagaaatata gtactggcaa atatacatta caaattatca ctattttgaa ttttcctact 180
gagtgttttaa catttgatga gtgaaagaga aacagggtata atcaacaatt atatggtaaa 240
tcttagtgaa gccctttttg ntatactttt caggagccag gaataggaaa ggctgcataa 300
cagactttca caagtccagg tgtttttaaat ccngtgcttt tcaacaaaac tgaggcatta 360
ccncatttgg gttaacagct gttnggtctt ccggaaattn gnccggtga 409

<210> 2768

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (257)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (381)

<223> n equals a,t,g, or c

<220>

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<222> (393)

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<220>

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<222> (401)

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<220>

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<222> (417)

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